

PROGRESSES AND DEVELOPMENTS

CA

**Volumetric photogalvanic effect in solutions of electrolytes. I. Photogalvanic effect of oxalates.** B. Yu. Dain and A. M. Zotkin. *Ber. Pissarzhevsk. Inst. fizich. khim., Akad. Nauk Ukr. SSR*, 12, 83-97 (1940). A photogalvanic effect was observed on smooth Pt and Pt-black electrodes in a soln. of  $K_2C_2O_4$ . It is shown that the effect is due to the photochem. process taking place in the vol. of the electrolyte and is dependent on the wave length. The effect is explained on the basis of the temporary disturbance of the ionic equil. in the soln. B. Z. Kamitsch

"APPROVED FOR RELEASE: Thursday, September 26, 2002      CIA-RDP86-00513R002065510002-0  
APPROVED FOR RELEASE: Thursday, September 26, 2002      CIA-RDP86-00513R002065510002-0"

ZOTKIN, S. F. Cand Tech Sci --- (diss) "Investigation of the  
printing devices of offset machines," Moscow, 1960, 23 pp, 150 cop.  
(Moscow Polygraphic Institute) (KL, 44-60, 130)

117-400-00011  
The catalysis of mixtures of oxygen and hydrogen on a  
modified smooth platinum surface. III. Effect of the  
cleaning of the platinum and its preliminary treatment  
with one of the components of the reaction on the velocity  
of the reaction. E. I. Saul'ts, A. M. Zutina and M. O.  
Zaperadz. *Zur. fach. physik. Chem. Akad. Wiss. Ukr.*  
S. S. R. S. 35 (in Russian), 35; (in German, 36); cf.  
C. A. 33, 5907; 33, 4834. A Pt catalyst cleaned with a  
10:90 mix. of  $\text{NaClO}_4$  is most active in the catalysis of  
 $\text{O}_2 + \text{H}_2$ , although its active centers are known to be con-  
nected with  $\text{O}_2$ . A catalyst purified with an intermittent  
heat treatment in an alc. flame and immersion in concentrated  
HCl has a considerably higher activity, although it is  
poisoned with greater ease. The deviations noted in the  
data by the authors and those by K. A. Hoffmann, et al.  
(cf. C. A. 11, 738; 16, 2441; 19, 1649) are due to differ-  
ences in the methods of cleaning and the washing off of  
the catalyst between the charging with  $\text{O}_2$  and with the  
given gas mix. The investigation covers the poisoning of  
the catalyst with pure water and the restoration of its  
activity. The activity can be restored successfully by  
heating the catalyst for a short time with a gas mix. at  
about 30°. A. A. Bochting

410-314 METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	SEARCHED MFP JNL GND	SEARCHED	SEARCHED											
			1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

L 09208-67 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) GG/JD/JG  
ACC NR: AP7002765 SOURCE CODE: UR/002C/66/169/001/0092/0093

AUTHOR: Popova, A. A.; Zotkina, V. B.  
ORG: Institute of Crystallography, AN SSSR (Institut kristallografii AN SSSR)  
TITLE: Production of single crystals of oxides of the rare earth elements by the  
Verneuil method

SOURCE: AN SSSR. Doklady, v. 169, no. 1, 1966, 92-93

TOPIC TAGS: rare earth metal, inorganic oxide, crystal growth  
ABSTRACT: The possibility of applying the Verneuil method to the production of  
oxides containing lanthanides with atomic numbers from 62 to 71 was explored,  
and the permissible limits of fluctuation of the gas systems of crystallization  
of various compositions were established. All the rare earth oxides tested,  
with the exception of that of terbium, acquired a trivalent state independent  
of the oxidation-reduction potential of the medium in the crystallization space  
during growth of crystals by the Verneuil method. The crystals of sesquioxides  
of the tested series of lanthanides, produced by the Verneuil method, belong to  
two classes of structural modifications:  $Sm_2O_3$  and  $Gd_2O_3$  are monoclinic, whereas  
 $Dy_2O_3$ ,  $Ho_2O_3$ ,  $Er_2O_3$ ,  $Tm_2O_3$ ,  $Yb_2O_3$ , and  $Lu_2O_3$  are cubic. The micro-  
hardnesses of the investigated crystals increased with increasing atomic number.  
An exception was  $Dy_2O_3$ , the comparatively high hardness of which is attributed  
by the authors to the presence of impurities of nonlanthanide elements. This  
paper was presented by Academician A. V. Shubnikov on 25 October 1965. The  
authors thank O. K. Mel'nikov for the discussions of the results of the x-ray  
analysis of the samples. Orig. art. has: 1 table. [JPRS: 38,139]

SUB CODE: 20, 07 / SUBM DATE: 25Oct65 / ORIG REF: 004 / OTH REF: 004

Card 1/1

UDC: 548.55

0925 1643

ZOTKINA, Z.A.

Modification of ventricular polychlorvinyl drainage. Vop. neirokhir  
24 no. 2:35-36 Mr-Apr '60. (MIRA 14:1)  
(BRAIN—BLOOD VESSELS)

Z C T K  
"APPROVED FOR RELEASE: Thursday, September 26, 2002  
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CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

CHIBUKIVAGEN, N.B., professor; ZONSTHA, Z.A.

Report on the activities of the Kharkov Neurosurgical Society in  
1956. Vop.neirokhir. 21 no.4:57-58 Je-Ag '57. (MIRA 10:10)  
(KHARKOV--SURGICAL SOCIETIES)

CHIBUKMAKER, N.B., professor; ZOTKINA, Z.A.

Sessions of the Kharkov Neurosurgical Society. Vop. neirokhir. 20  
no. 4:48-52 J1-Ag '56. (MIRA 9:11)  
(NERVOUS SYSTEM--SURGERY)

ZOTO, Akile, dr.

Organization of the campaign for voluntary blood donors. Shendet.  
pop. 1:4-7 '64.

1. Kryetar i deges mjekimit ne M. Shendetesise.

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CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

ZOTO, Akile, dr.; LITO, Spiro, dr.

Blood transfusion. Shendet. pop. 23 no.5:21-28 '62.  
(BLOOD TRANSFUSION)

2841. Dependence of the binding force of covariant  
light-cavity effects on particle size. V. I. Vlasov  
AND YA. N. KHUR. Dokl. Akad. Nauk. SSSR,  
(No. 4708-50) 1970, p. 939-941.

*mp-n-p*

For  $Mg^{2+}$  a proton enters the binding force per

ZOTON, T.

APP

1841. Dependence of the scattering series of powdered highly energetic alloys on particle size. T. D. HOROWITZ AND Y. S. SHUR. *Dokl. Akad. Nauk, SSSR*, 74 (No. 4) 687-70 (1950) *In Russian.*

E3H.3

✓  
361  
830.24  
2841. Dependence of the general form of powdered  
highly explosive nitro on particle size. L. D. KOTIN  
AND V. G. SOKOLOV. Dokl. Akad. Nauk SSSR, 1960, 140  
(No. 4) 847-851 (1960) In Russian.

APPROVED FOR RELEASE: Thursday, September 26, 2002  
REF ID: A6510002

APPROVED FOR RELEASE: Thursday, September 26, 2002 | CIA-RDP3A-06510002-014

## DOCUMENTS AND PROPERTIES INDEX

A53  
b6

53824  
2041. Dependence of the coercive force of powdered  
magnetically coercive alloys on particle size. T. D. Zaitsev  
and Ya. S. Sushko. *Dokl. Akad. Nauk. SSSR*, 74  
(No. 4) 687-90 (1950) *In Russian*.

## ASA-10A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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GUBAREV, G.; ZOTOT'KO, S. prepodavatel'; NAYDENOV, V.; ZHAROV, P.; BARYSHNIKOV, V.

Continuing the discussion of problems of labor organization under  
conditions of new technology. Sots. trud 5 no.5:66-74 My '60.  
(MIRA 13:11)

1. Nachal'nik otdela truda i zarplaty Rostovskogo sovnarkhoza (for  
Gubarev). 2. Vysshaya partiymaya shkola, Khar'kov (for Zolot'ko).  
3. Nachal'nik tsekhovogo byuro truda i zarabotnoy platy Khar'kovskogo  
traktornogo zavoda (for Naydenov). 4. Nauchno-issledovatel'skiy  
institut truda, Moskva (Zharov). 5. Nachal'nik otdela truda i  
zarplaty Yuzhno-Kazakhstanskogo sovnarkhoza (for Baryshnikov).

(Labor and laboring classes)

(Automation)

(Technological innovations)

ZOTOV, A.; YAKUBOV, B.; SMIRNOV, N.; CHABROV, G.; KOCHEROV, V.,  
red.; BAKHTIYAROV, A., tekhn. red.

[Cities of the Fergana Valley; concise reference book]  
Goroda Ferganskoi doliny; kratkii spravochnik. Perer.  
2 izd. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1963. 157 p.  
(MIR 16:11)

(Fergana--Cities and towns)

ZOTOV, A., inzh.; KHARIN, V., inzh.

OMP-1 device for detecting metal objects. Radio no. 9:45-46  
S '65.  
(MIRA 19:1)

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CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

ZOTOV, A.A.

Device for locating underground gas pipelines. Gaz. prom. 7  
no. 9134-36 '62.  
(MIRA 17:8)

*ZOTOV*  
USSR/Morphology of Man and Animals - (Normal and Pathologic).  
Respiratory System.

S-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12353  
Author : Zotov, A.A.  
Inst : -  
Title : On the Presence of Particles of Diatom Alga in Human  
Lungs (a Preliminary Communication)  
Orig Pub : V sb. sudebno - med. ekspertizy. Vyp. 2. M., Gosyurizdat,  
1955, 238-240  
  
Abstract : Frustules of diatoms were found in the lungs of 7 out of  
8 cadavers whose death was not caused by drowning..

Card 1/1

Effect of various tillage methods on the physical properties of  
soils in dry valley pastures. Pochvovedenie no.2:91-95 F '63.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov.  
(Moscow Province—Pastures and meadows)  
(Tillage) (MIRA 16:3)

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ZOTOV, A. F.

"Investigation of the Antibacterial Properties of Fish From  
the Middle Current of the Dnepr River." *Canal Biol Sci*, Kiev  
State U, Kiev, 1953. (RZhBiol, No 1, Sep 54)

SO: Sun 432, 29 Mar 55

ZOTOV, A.F.

Studying antibacterial properties of fish extracts. Vop. ikht.  
no.11:188-191 '58. (MIRA 12:1)

I.Kafedra zoologii bespozvonochenykh Moskovskogo gosudarstvennogo  
universiteta imeni M.V. Lomonosova.  
(Fishes) (Extracts) (Antiseptics)

ZOTOV, A.F.

Antibacterial properties of organs and tissues in fresh-water  
fishes. Vop. ikht. no.10:157-161 '58. (MIRA 11:10)

1. Moskovskiy gosudarstvennyy universitet, kafedra zoologii bez-  
pozvonechnykh.  
(Fishes) (Antibiotics)

LOKSHIN, Ye.L.; ZOTOV, A.G.; CHRMEN, V.P.; SHIPILOV, N.G.

Ways to improve the industrial and economic indices in the preparation of underground gas producers by boring. Podzem. gaz.ugl. no.3:67-71 '59. (MIRA 12:12)

1. Angreneskaya stantsiya "Podzemgaz."  
(Coal gasification, Underground)  
(Boring)

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70602

Author : Zotov, A. I.

Inst : Leningrad State Pedl Institute

Title : Studies of After-Images in Color Anomalies

Orig Pub : Uch. zap. Leningradsk. gos. ped. in-t, 1956, Vol 23, 85-100

Abstract : Studies were made of two protoanomalies and two deutero-anomalies by the following method: following dark adaptation, the experimental subjects, for a period of 10-60 sec, were permitted to adapt to light. Then they looked at a white screen and observed the changes of color in the after-images. The experiments were run in several variations. The sensitivity of proto- and deuteroanomalies to contrast colors was opposite to their sensitivity to real colors; the production of after-images from green light in protoanomalies temporarily increased

Card 1/2

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10001  
S/137/62/000/004/185/201  
A154/A101

1.2300

AUTHORS:

Zotov, A.I., Akinfiyev, M.I.

TITLE:

Soldering ferrites by ultrasonic means

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 75, abstract  
E421 ( St."Primeneniye ul'trazvuka v tekhnol.mashinostr." no. 2,  
M., 1960, 179 - 180)

TEXT: It has been established that ferrites can be soldered right in a molten solder irradiated with ultrasound the intensity of which is sufficient for producing a cavitation process. A supersonic bath has been made for this purpose, fixed on transformer speeds, provided with electric heating means for melting the solder, and a magnetostriction converter. To prevent cracking of parts, the latter are heated and dipped into the molten solder bath; only those sections to be worked are dipped. After this they are soldered prior to the solidification of the solder applied. Subsequent soldering with a soldering iron is permissible. Ferrites soldered together by ultrasonic means, subjected to rupture test, showed that the average rupture force for Mg-Mn ferrite was 1 kg/mm<sup>2</sup>, that for NiZn

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Soldering ferrites.....

S/137/62/000/004/185/201  
A154/A101

ferrite was  $0.8 \text{ kg/mm}^2$ , and rupture occurred mainly in the basic material, not within a soldered joint. Mechanical strength of such joints was likewise found to be satisfactory.

V. Tarisova

[Abstracter's note: Complete translation]

Card 2/2

ZOTOV, A.I., prepodavatel'; MKRTCHYAN, Sh.A.

Chlorophos in controlling warble flies in cattle. Veterinariia  
37 no.6:74 Je '60. (MIRA 16:7)

1. Omakiy sel'skokhozyaystvennyy tekhnikum (for Zotov),
2. Nachal'nik upravleniya sel'skogo khozyaystva Gornob-  
Altayskoy avtonomnoy oblasti (for Mkrtchyan).  
(Warble flies) (Chlorophos)

ZOTOV, A.I.

Interaction of sensations in binocular contrast. Vop.psichol. 7  
no.2:87-96 Mr-Ap '61. (MIRA 14:6)

1. Leningradskoy gosudarstvennyy pedagogicheskiy institut imeni  
A.I.Gertsena.  
(Vision) (Senses and sensation)

ZOTOV, A.I.

R-12

USSR/Human and Animal Physiology - Nervous System.

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71176

Author : Zotov, A.I.  
Title : The Interaction of Color Sensations in the Dynamics of  
Extinguishing the Subsequent Image.

Orig Pub : Uch. zap. Leningr. gos. ped. in-ta, 1956, 23, 5-33

Abstract : The shadow of the object on a colored background was perceived as a strip of contrasting color (inductive inhibition of the cortex). In the resulting image (RI) the colors of the object and background changed places. The interaction of the nerve processes determined the stability of the mutually contrasting colors in the immediate perception, in the RI, and in the course of extinguishing of RI, the perception of grey by putting the RI of the colored object on the background of the same color, the perception of a grey object in the beginning of adaptation in the form of a contrastingly colored one, and then- in the

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USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71176

form of grey and finally with shades of the background color with unchanged color of RI. Complex phenomena of the simultaneous and following contrast are conditioned by the mutual induction of the cortical processes, but cannot be explained by the peripheral theory.

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ZOTOV, A.I.

R-12

USSR/Human and Animal Physiology - Nervous System.

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71178

Author : Zotov, A.I.  
Title : Images Following Achromatic Colors.

Orig Pub : Uch. zap. Leningr. gos. ped. in-ta, 1956, 23, 61-83

Abstract : The change in the relation in the brightness of achromatic objects and background produced a change in the color of the subsequent images (SI). The dynamics of interaction of perception in the course of extinguishing of SI did not differ from the dynamics of SI produced by the adaptation to two chromatic colors. By reducing the differences in the brightness of the object and background, the color of SI did not change, or one color changed independently of the other. The described phenomena were observed in the action of stimuli on different parts of the retina. The adaptation of one eye to two achromatic colors produced interaction of the colors in the binocular

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USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71178

contrast, coinciding with the colors following the  
contrast at the action of the same achromatic stimuli.  
The obtained findings confirm the cortical nature of  
SI from achromatic colors.

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- 120 -

ZOTOV, A. I.

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71179

Author : Zotov, A.I.  
Title : Individual Differences in Interaction fo Visual Perception in the Dynamics of Subsequent Images.

Orig Pub : Uch. zap Leningr. gos. ped. in-ta, 1956, 23, 101-116

Abstract : The speed of appearance of the subsequent image (SI) reflects the motility, in duration and phase of SI the strength and balance of the basic nerve processes in the visual analyser. In the training process, the speed of the emergence of SI increases, the number of colors and shades which can be distinguished in the extinguishing of SI increases. The peculiarities of the interactions in perception in the course of SI are considered as manifestation of individual differences in the action of the visual analyser and the interaction of the signaling systems.

Card 1/1

- 121 -

BUTONOV, V.A., inzh.; ZOTOV, A.I., inzh.

Adjusting truck-mounted cranes and trucks for use on railroad  
tracks. Nov. tekhn. i pered. op. v stroi. 20 no. 8:28-30 Ag '58.  
(MIRA 11:7)

(Cranes, derricks, etc.)  
(Motortrucks)

ZOTOV, A.I., inzhener.

Universal railroad crane motorcar. Elek.sta. 27 no.9:49-50 S '56.  
(MLRA 9:11)

(Motor trucks)  
(Cranes, derricks, etc.)  
(Railroad motorcars)

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**ZOTOV, A.I., kandidat pedagogicheskikh nauk.**

Spatial dynamics of color sensation (on a black background)  
in subjects with abnormal color vision. Trudy Gos. inst. po  
izuch. mozga 15:53-65 '47. (MLRA 7:2)  
(Color blindness)

ALEKSEYEV, M.A.; ASKNAZIY, A.A.; ZOTOV, A.I.; LIPATOVA, N.Ya.

Certain characteristics of the formation of complex conditioned  
motor reactions in man. Zh. vys. nerv. deiat. 5 no.6:773-782 N-18  
'55.

1. Leningradskiy nauchno-issledovatel'skiy institut fizicheskoy  
kul'tury. (MIRA 9:3)

(REFLEX, CONDITIONED,  
conditioned motor complex reactions in man, mechanism  
of form)

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0"

ZOTOV, A.I., kandidat pedagogicheskikh nauk.

Spatial dynamics of achromatic vision in color blindness.  
Trudy Gos.inst.po isuch.mosga 15:66-73 '47. (MLRA 7:2)  
(Color blindness)

ZOTOV, A.I.

Improving the fastening of dogs on log jacks. Sbor.vnedir.rats.pred.  
v les. i meb.prom. no.2:7-8 '59. (MIRA 1):8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Lumbering--Machinery)

ZOTOV, A.I.

Thickening the neck of the top feed roller shaft of the RD-75-2 log  
frame. Sbor.vnedr.rats.pred. v les. i meb.prom. no.2:11 '59.

(MIRA 13:8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Saws)

ZOTOV, A.I.

Improved design for electric screwdrivers. Sbor.vnedr.rats.pred. v  
les. i meb.prom. no.2:77-79 '59. (MIRA 13:8)

1. Leningradskiy lesopil'no-deravoobrabatyvayushchiy kombinat.  
(Screwdrivers)

ZOTOV, A.I.

Suggestions for greater efficiency in inserting wood screws on the assembly line. Sbor.vnedr.rats.pred. v les. i meb.prom. no.2:81-82 '59.  
(MIRA 13:8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Screwdrivers)

Fork for picking up nails while nailing boxes. Sbor.vnedr.rats.pred.  
v les. i meb.prom. no.2:82 '59. (MIREA 13:8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Woodwork--Tools and implements)

1/1800  
18.12.10

36531  
S/081/62/000/006/057/117  
B149/B108

AUTHORS: Akinfiyev, M. I., Zotov, A. I., Pavlov, A. A.

TITLE: Electroplating of aluminum and its alloys under the action of ultrasound

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 407 - 408,  
abstract 6K182 (Sb. "Primeneniye ultrazvuka v tekhnol.  
mashinostr.". no. 2, M., 1960, 149 - 154)

TEXT: The influence of ultrasound (us.) on zinc and copper plating of aluminum and its alloys in cyanide electrolytes has been investigated in terms of the effect on the quality of and cohesion between the coating and the base, the  $BT_k$ , the rate of Cu deposition, the dispersibility of the electrolytes and the surface pretreatment. The quality of the coating is better when us. is used; the coated parts were tested successfully for temperature (up to  $180^{\circ}\text{C}$ ) and climatic (90 days at a relative humidity of 98 %) stability. When us. is used the processes can be intensified owing to the increase of  $D_k$  to  $12\text{a}/\text{dm}^2$  for zinc plating and  $10\text{a}/\text{dm}^2$  for copper

Card 1/2

Electroplating of aluminum and ...

S/081/62/000/006/057/117  
B149/B108

plating. The use of us. for aluminum coating does away with a number of preparatory operations. Surface preparation except degreasing, is a-  
chieved in the zinc plating electrolyte. [Abstracter's note: Complete  
translation.]

Card 2/2

X

S/194/62/000/005/087/157  
D222/D309

AUTHORS: Zotov, A.I., Akinfiyev, M.I., and Pavlov, A.A.

TITLE: The use of ultrasound in the technology of ferrite production

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-5-44 a (V sb. Primeneniye ul'trazvuka v tekhnol. mashinostr. no. 2, M., 1960, 134 - 138)

TEXT: The use of ultrasound for the pulverization and mixing of ferrite mixtures and for the mechanical processing of ferrites is described; in this work an Y3F-10 (UZG-10) generator and DMC-6 (PMS-6) transducer were used. Data are given on the optimal operating conditions and on the composition of the liquids used in the pulverization of ferrite mixtures. Ultrasound and other methods of pulverization are compared in a table. With respect to the mechanical processing of the ferrites, it is shown that a high accuracy can be achieved in the processing of openings and grooves of complex configuration and that the process of ultrasound processing is

Card 1/2

The use of ultrasound in the ...

S/194/62/000/005/087/157  
D222/D309

technologically suitable and saves time. Different compositions of emulsions, the influence of ultrasound technology on the properties of ferrites and so on, are examined. A table shows the dependence of processing time on the granularity of boron carbide. [Abstractor's note: Complete translation].

Card 2/2

S/194/62/000/005/084/157  
D222/D309

AUTHORS: Akinfiyev, M.I., Zotov, A.I., and Favlov, A.A.

TITLE: Galvanic coating of aluminum and its alloys with the interaction of ultrasound

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-5-40 ye (V sk. Primeneniye ul'trazvuka v tekhnol. mashinostr. no. 2, M., 1960, 149 - 154)

TEXT: The influence of ultrasound on the electro-chemical processes is examined and the positive action of cavitation is noted. It is shown that the ultrasonic oscillations facilitate the depolarization of the electrodes and the degassing of the liquid. The investigation of the action of ultrasound on the galvanic coating of aluminum was carried out at 18-23 kc/s frequencies, using a PMS-6 (PMS-6) transducer. The transducers were mounted on a diaphragm of variable thickness, 2 - 10 mm, being the bottom of the bath. During zinc and copper plating of aluminum in cyanogen electrolytes, the current density was reduced to 27 a/dm<sup>2</sup> and a better adherence of

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Galvanic coating of aluminum and its ... S/194/62/000/005/084/157  
D222/D309

the coating to the base metal was obtained. It is noted that at large ultrasound intensities the speed of copper plating is reduced because of the cavitation deterioration of the metal. During silver plating of aluminum, ultrasound is used not only for the galvanic coating of the zinc, copper and silver layers, but also for the preparation of the pieces (cleaning and degreasing) before plating. The technology of silver plating in an ultrasound field is described. [Abstractor's note: Complete translation].

Card 2/2

39622  
S/194/62/000/004/064/105  
D295/D308

9.2571

AUTHORS: Zotov, A. I. and Akinfyev, M. I.

TITLE: Ultrasonic soldering of ferrites

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 4, 1962, abstract 4-5-37y (V sb. Primeneniye ul'  
trazvuka v tekhnol. mashinostr. no. 2, M., 1960,  
179-180)TEXT: The possibility of soldering ferrites without preliminary  
silver-covering of the surface is investigated. It was found that  
such tinning is possible in a molten solder irradiated by ultraso-  
nics with a radiation intensity sufficient for generating cava-  
tion in the solder. A tinning apparatus was devised, consisting of  
a magnetostriction radiator with a concentrator, at whose end is  
placed a bath with electrical heating for melting the solder. Af-  
ter tinning the parts, soldering by means of a soldering iron is  
possible. The great strength of the soldering was observed; in  
tests, the samples broke across the basic material. The soldering

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Ultrasonic soldering of ...

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of metal parts to ferrites is possible, the mechanical strength proving fully satisfactory. Soldering was carried out with the P-200 (P-200) solder. Abstracter's note: Complete translation. 7

X

Card 2/2

S/123/62/000/015/009/013  
A052/A101AUTHORS: Zotov, A. I., Akinfiyev, M. I., Pavlov, A. A.

TITLE: Application of ultrasound in the technique of ferrite production

PERIODICAL: Referativnyj zhurnal, Mashinostroyeniye, no. 15, 1962, 23, abstract  
15B144 (In collection: "Primeneniye ul'trazvuka v tekhnol. mashinost".  
Moscow, no. 2, 1960, 134 - 138)TEXT: The possibility was investigated of the application of ultrasound to  
grinding and intermixing metal oxides of which the charge for forming ferrites  
is prepared. The experiments were carried out using a Y3TC (UZGS) ultrasonic  
generator with a magnetostriction converter. The main parameters determining the  
processes of grinding and intermixing charge materials are: oscillation frequency,  
relation between the amount of liquid and the material ground, the thickness of  
the irradiated ground layer, the intensity of ultrasonic and audio oscillations,  
cavitation capacity of the liquid and the irradiation time. It is established  
that the dispersion of the powder ultrasonically ground during 10 min is higher  
than that of the powder ground in ball mills during 24 hours or in a vibration  
than that of the powder ground in ball mills during 24 hours or in a vibration

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Application of ultrasound in...

S/123/62/000/015/009/013  
A052/A101

grinder during 16 hours. Ferrite elements manufactured of powders produced after ultrasonic processing have equivalent magnetic properties as compared with the elements produced of powders prepared by conventional processing. It is reported on a successful application of ultrasound to machining ferrites. Grooves and holes in ferrite elements are produced on ultrasonic installations.

E. Spivak

[Abstracter's note: Complete translation]

Card 2/2

DANILOVICH, B.A.; ZOTOV, A.N.

Organization of the fluorographic examination of workers and  
employees of small industrial plants. Gig. i san. 26 no. 4:57-60  
Ap '61.  
(MIRA 15:5)

1. Iz sanitarno-epidemiologicheskoy stantsii Stalinskogo rayona Moskvy.  
(INDUSTRIAL HYGIENE) (DIAGNOSIS, FLUOROSCOPIC)

ZOTOV, A.N. & PROKOP'YEV, P.N., starshiy inzh.

Following the example of the brigade of communist labor. Tekst.  
prom. 21 no.12:70-72 D '61.  
(MIRA 15:2)

1. Nachal'nik byuro tekhnicheskoy informatsii Chuvashskogo  
sovnarkhoza (for Zотов). 2. Byuro tekhnicheskoy informatsii  
Chuvashskogo sovnarkhoza (for Prokop'yev).  
(Chuvashia--Textile industry--Labor productivity)

176

SOV/177-58-9-2/51

AUTHORS: Zotov, A.P., Colonel of the Medical Corps, Shumova, S.V., Lieutenant-Colonel of the Medical Corps

TITLE: Analysis of Traumatism and Prophylactic Measures (According to Material of a Hospital)

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 9, pp 7-10 (USSR)

ABSTRACT: The author tabulates and reports on traumatic cases of soldiers. The article is based on data of a garrison hospital and a treatise by N.D. Krivonosov, published in 1952. Most of the injuries occurred during off-duty hours. The author distinguishes injuries connected with economic work, casual injuries sustained during duty hours and mainly sports injuries. Injuries to the lower extremities predominate over others. The implementation of prophylactic measures reduced the injuries in garrisons "by half". There are 4 tables.

Card 1/1

GULAMOV, R.G.; ZAYKO, G.I.; ZOTOV, A.N.; ISADZHANOVA, Kh.E.; SOKOLOV,  
Yu.A.; SHKLOVER, A.Ya.; TSUKERMAN, M.P.; USTIMENKO, I.L., red.;  
BAKHRIYAROV, A., tekhn.red.

[Tashkent; concise reference book] Tashkent; kratkii spravochnik.  
Izd.2., dop. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1958. 190 p.  
(MIRA 13:3)  
(Tashkent—Guidebooks)

25899. ZOTOV, A. P. Primenenie RSK dlya tipirovaniya shtamnov  
virusa i serodiagnostiki infektsionnogo entsefalomyelita loshadey.  
Avtoreferat. Veterinariya, 1949, No. 8, S. 57.

So. Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

All-Union Inst. Experimental Vet. Med.

ZOTOV, A.P. (Sen. Sci. Assoc., VIEV)

A.A. Markov, Prof, Merited worker of Sci, A.P. ZOTOV (Sen. Sci. Assoc) and  
M.A. Il'Yashenko, V.G. Petrov (Junior Sci. Associates (VIEV)

"Mosquitoes of the Species Culex as the Carriers of the Virus of Infectious  
Equine Encephalomyelitis,"

SO: Trud VIEV, Vol-19, No-2, pp-97-102, 19 Vol 18, 1951.

ZCTOV, A

USSR/Medicine (vet) - Infectious Diseases Jun 51

"Equine Infectious Encephalomyelitis (IEML)", A. P. Zolotov, Cand. Vet. Sci.

"Veterinariya" Vol. XXVIII, No. 6, pp 20-29

183T82 The disease in the USSR is caused by 2 serologically distinct viruses, and the presence of Born's virus is also possible. G. M. Bosh'yan describes bacteriari form of the IEML virus. IEML is transmitted by Dermacentor, Hyalomma, and Ornithodoros ticks and by Aedes and Culex mosquitoes. A natural reservoir of IEML, similarly to human encephalitis, may be formed by rodents, birds, or reptiles.

IC

183T82

USSR/Medicine (vet) - Infectious Diseases Jun 51  
(Contd)

Peaks of incidence correspond to peaks in the number of Brandt's field mice. Lethality is 50-90%. Born's disease occurs in May-Jun, IEML in Aug-Sep. Autohemotherapy and serum therapy under application of various blood sera and immune sera are effective. Best results were obtained with immune serum of swine plague (or blood of IEML convalescents) combined with urotropin and spirits of camphor therapy.

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"The Biological Character of the Causative Agent and Data Relating to the  
Epizootiology of Infectious Equine Encephalitis." Dr Vet Sci, All-Union Inst  
of Experimental Veterinary Sci, Ministry of Agriculture USSR, Moscow, 1954.  
(RZhBiol No 8, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

ZOTOV, A.P.; CHUMAKOV, M.P.; MARKOV, A.A.; STEPANOVA, N.I.; PETROV, A.N.

Experimental induction and serological investigations of Q fever.  
Veterinariia 33 no.7:44-53 J1 '56. (MIRA 9:9)  
(Q fever)

Country : USSR  
Category: Virology. Viruses of Man and Animals.  
Rickettsias

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103554

Author : Zotov, A.P.; Chumakov, N.P.; Markov, A.A.; Stepanova,  
N.I.  
Inst : All-Union Institute of Experimental Veterinary Medicine  
Title : Experimental Study of "Q" Fever in Agricultural Animals  
(First Report). Experimental Reproduction of the Disease

Orig Pub: Tr. Vses. in-ta chsperim. veterinarii, 1957, 20, 76-89.

Abstract: Sheep, goats, long-horned cattle, horses and pigs were  
infected by means of the administration of massive  
doses of Rickettsia burneti (intravenously, subcuta-  
neously, intracutaneously, orally, intracardinally)

Card : 1/2

Country : USSR

E

Category: Virology. Viruses of Man and Animals. Rickettsias.

Abs Jour: Ref Zhur-Diel., No 23, 1958, 103555

Author : Zotov, A.P.; Chumakov, M.P.; Markov, A.I.; Soganova, N.I.

Inst : All-Union Institute of Experimental Veterinary Medicine

Title : Experimental Study of "Q" Fever in Agricultural Animals  
(Second Report). Study of the Complement-Fixation  
Reactions in Animals Experimentally Infected with "Q"  
Fever

Org Pub: Tr. Vses. in-ta eksperim. veterinarii., 1957, 20, 99-95

Abstract: After the parenteral administration of massive doses  
of rickettsias, complement-fixing antibodies appeared  
in the serum on the fourth to seventh day in titers  
of 1:10-1:20. The maximum titers (up to 1:320-1:640)

Card : 1/2

Country : USSR

E

Category: Virology. Viruses of Man and Animals  
Rickettsias.

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103556

Author : Markov, A.A.; Chumakov, M.P.; Zotov, A.P.; Stepanova, N.I.

Inst : All-Union Institute of Experimental Veterinary Medicine

Title : Experimental Study of "Q" Fever in Agricultural Animals  
(Third Report). Investigation of the Transmission of the  
"Q"-Fever Organism by the tick, Rhipicephalus bursa

Orig Pub: Tr. Vses. in-ta eksperim. veterinarii, 1957, 20, 96-  
105

Abstract: Ticks in the sexually-immature stage (larvae and nymphs)  
and in the imago stage could be infected with Rickettsia  
burnetii by means of letting them feed on infected sheep;  
in their turn, all the stages of ticks infected in this  
way were able to infect healthy animals, onto which they

Card : 1/2

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0

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ZOTOV, A. P. (Professor), BLINOV, P. N. (Senior Scientific Collaborator, All-Union Institute of Experimental Veterinary Medicine).

"Investigations concerning the etiology of infectious atrophic rhinitis in swine."

Veterinariya, Vol. 38, No. 3, 1961, p. 32.

ZOTOV, A.P., prof.; ELINOV, P.N., starshiy nauchnyy sotrudnik

Studying the etiology of infectious atrophic rhinitis of  
swine. Veterinariia 38 no.3:32-36 Mr '61 (MIRA 18:1)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

ZOTOV, A.P., prof.

African horse sickness of one-hoofed animals. Veterinariia 39  
no.5e65-72 My '62 (MIRA 18:1)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

LIKHACHEV, N.V.; SYURIN, V.N.; TSION, R.A.; SHCHERBATYKH, P.Ya.;  
ZOTOV, A.P.; SKOMOROKHOV, A.L.; PIROG, P.P.; PINUS, A.A.;  
BAZYLEV, P.M.; NAZAROV, V.P.; ORLOV, F.M., dots.;  
USACHEVA, I.G., red.; YARNYKH, A.M., red.; BALLOD, A.I.,  
tekhn. red.; PROKOF'YEVA, L.N., tekhn. red.

[Virus diseases of animals] Virusnye bolezni zhivotnykh.  
Moskva, Sel'khozizdat, 1963. 564 p. (MIRA 17:1)

LIKACHEV, N.V., prof.; AGRINSKIY, N.I., prof.; SYURIN, V.N., prof.;  
SPESIVTSEVA, N.A., prof.; KOLOBOLOTSKIY, G.V., prof.;  
ZOLOTAREV, N.A., prof.; KORYAZHNOV, V.P., prof.; KOLESOV,  
S.G., prof.; BABICH, M.A., prof.; PETROV, A.M., prof.; ZOTOV,  
A.P., prof.; DOROFEEV, K.A., prof.; POLIKOVSKIY, M.D., prof.;  
SOLOMKIN, P.S., prof.; ORLOV, Ya.S., prof.; KOTOV, V.T., prof.;  
TRILENKO, P.A., prof.; LYUBASHENKO, S.Ya., prof.; USACHEVA,  
I.G., red.; YARNYKH, A.M., red.; BALLOD, A.I., tekhn. red.

[Veterinary laboratory practice]. Veterinarnaia laboratornaia  
praktika. Moskva, Sel'khozizdat. Vol. [General microbiological  
methods of investigation] Obshchie mikrobiologicheskie metody is-  
sledovaniia. 1963. 566 p. Vol.2. [Biochemical, chemico-  
toxicological, and veterinary hygienic methods of investigation]  
Biohimicheskie, khimiko-toksikologicheskie i zoogigienicheskie  
metody issledovaniia. 1963. 431 p. (MIRA 16:8)  
(Veterinary laboratories)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0"

ZOTOV, A. P. (Professor, All-Union Institute of Experimental Veterinary Medicine)

"African plague of the solid-ungulates"

Veterinariya, vol. 39, no. 5, May 1962 p. 65

ZOTOV, A. P.

"Veterinary-Sanitary and Antiepizootic Measures for Q Fever among Agricultural  
Animals"

from Bor'bas Boleznyarni, Obshchimi Dlya Cheloveka i Zhivotnykh (Zoonozy)  
Moscow, 1961.

ZOTOV, A. P.

"Leukoses of Agricultural Animals"

from Bor'bas Boleznyarni, Obshchimi Dlya Cheloveka i Zhivotnykh (Zoonozy)  
Moscow, 1961.

ZOTOV, A.P., prof.

Results of an investigation of Q fever and tularemia in farm animals.  
Trudy VIEV 23:202-214 '59. (MIRA 13:10)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.  
(Q fever) (Tularemia)

ZOTOV, A.S.

Cutting unnecessary expenses. Tekst.prom. 20 no.2:86-87  
F '60. (MIRA 13:6)  
(Textile industry--Costs)

ZOTOV, Aleksey Timofeyevich; CHULKOVA, I.S., red.; SHPAK, Ye.G.,  
tekhn. red.

[Urea] Mochevina. Moskva, Goskhimizdat, 1963. 173 p.  
(MIRA 17:2)

GLOZSHTEYN, Ya.S.; ZOTOV, A.V.; SERGEYEV, B.V.; SHASHKOV, V.F.;  
GORDEYEV, P.A., red.izd-va; SHIROKOVA, G.M., red.izd-va;  
KOMAROVSKAYA, L.A., tekhn. red.

[Construction of furnaces for the building materials industry] Kladka pechey promyshlennosti stroitel'nykh materialov. [By] IA.S.Glozshtein i dr. Moscow, Gosstroizdat, 1963. 299 p. (MIRA 17:2)

ZOTOV, A.V., inzh., red.; OVCHININSKIY, A.F., inzh., red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat. Pt.1. Sec.G., ch.10. [Refractory materials and products] Ogneupornye materialy i izdeliya (SNiP I-G. 10-62). 1963. 48 p. (MIRA 17:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Zотов).
3. Mezhdunarodstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil (for Овчининский).

KAMENETSKIY, S.P.; UTKIN, V.V.; ZOTOV, A.V., nauchnyy red.; VOLNYANSKIY, A.G.,  
glav. red.; SOKOLOV, D.V., zam. lav. red.; TARAN, V.D., red.; SERE-  
BRENNIKOV, S.S., red.; MIKHAYLOV, K.A., red.; STAROVENOV, I.G., red.;  
VOLODIN, V.Ye., red.; NIKOLAYEVSKIY, Ye.Ya., red.; SHIROKOVA, G.M.,  
red. izd-va; NAUMOVA, G.D., tekhn. red.

[Heat insulation work] Teploizoliatsionnye raboty. Moskva, Gos. izd-  
vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 439 p.  
(MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut "Teploprojekt".  
(Insulation (Heat))

ZOTOV, A.V., inzh., red.; STRASHNYKH, V.P., red.izd-va; GARNUKHIN, Ye.K.,  
tekhn.red.

[Technical specifications MRTU 7-3-60 for finely-ground additions  
and aggregates for heat-resistant concretes] Tekhnicheskie  
uslovia na tonkomoletye dobavki i zapolniteli dlia zharostoiikikh  
betonov, MRTU 7-3-60. Moskva, Gos.izd-vo lit-ry po stroit., arkhit.  
i stroit.materiam, 1961. 14 p. (MIRA 14:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.

(Concrete—Specifications)

ZOTOV, A.V., inzh., red.; KHAVIN, B.N., red.izd-va; NAUMOVA, G.D.,  
tekhn.red.

[Regulations SN 64-59 on carrying out lining operations in rotary  
cement-burning kilns] Instruktsiia po proizvodstvu futerovochnykh  
rabit vo vrashchayushchikhsia tsementnoobzhigatel'nykh pechakh;  
SN 64-59, Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.  
materialam, 1960. 68 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.  
(Kilns, Rotary) (Refractory materials)

ZOTOV, A.V., inzh.

Using asbestos cement products in building in the Federal German  
Republic. Stroi. mat. 5 no.4:37-39 Ap '59. (MIRA 12:6)  
(Germany, West—Asbestos cement)

PISARIK, L.S., kand. tekhn. nauk; SHAFRANSKIY, V.I.; ZOTOV, A.V.

Calculating periodic-action a.c. drive operating jointly  
with the hydromechanical transmission. Avt. prom. 30  
no. 9:24-27 S '64. (MIRA 17:10)

1. Belorusskiy politekhnicheskiy institut i Belorusskiy  
avtomobil'nyy zavod.

MELESHKIN, S.M., gornyy inzhener; BERLYAND, S.S., gornyy inzhener;  
SIROTKIN, Z.L., inzh.; DENISOV, A.G., inzh.; TERNOVSKIY, G.I., inzh.;  
BEKHTEREV, Yu.I., inzh.; ZOTOV, A.V., inzh.; IVANOV, E.I., inzh.;  
VASIL'YEV, Ye.A., inzh.; SOLOV'YEVA, L.G., inzh.; D'YACHENKO, V.F.,  
inzh.

Replies to V.V. Shan'ko's article "Efficient limits of using  
truck haulage in open pits." Gor. zhur. no.1:75-77 Ja '62.  
(MIRA 15:7)

1. Gosudarstvennyy nauchno-ekonomicheskiy sovet Soveta Ministrov  
SSSR (for Meleshkin). 2. Promtransproekt Gosstroja SSSR (for  
Berlyand). 3. Belorusskiy avtozavod (for Sirotkin, Denisov,  
Ternovskiy, Bekhterev, Zотов, Ivanov). 4. Gosudarstvennyy  
institut po proyektirovaniyu razrabotki rudnykh mestorozhdeniy  
v yuzhnykh rayonov SSSR, Khar'kov (for Vasil'yev, Solov'yeva,  
D'yachenko).

(Mine haulage)  
(Shan'ko, V.V.)

ZOTOV, A.V., red.; KHAVIN, B.E., red.izd-va; BOBOVNEV, N.K., tekhn.red.

[Instruction SN 19-58 on the drying and initial heating of  
chimneys and flues] Instruktsiya po sushke i razogrevu dymovykh trub  
i borovov (SN 19-58). Moskva, Gos.izd-vo lit-ny po stroit., arkhit.  
i stroit.materialam, 1958. 19 p. (MIRA 12:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.  
(Chimneys) (Flues)

ZOTOV, A.V., red.; STRASHNYKH, V.P., red.izd-va; KASIMOV, D.Na., tekhn.  
red.

[Instructions SN 156-61 for producing and using fireproof  
concretes] Instruktsiya po tekhnologii prigotovleniya i pri-  
meneniiu zharostoikikh betonov SN 156-61. Utverzhdena Gosudarst-  
vennym komitetom Soveta Ministrov SSSR po delam stroitel'stva 14  
fevralia 1961. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i  
stroit. materialam, 1961. 72 p. (MIRA 14:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.

(Concrete construction)

SIROTKIN, Z.L., ZOTOV, A.V.

Heavy-duty trucks for the mining industry. Gor. Shur. No. 1155-  
'61 Ja '63. (MIRA 16:1)

1. Glavnnyy konstruktor Belorusskogo avtozavoda (for Sirotkin).
2. Zamestitel' glavnogo konstruktora Belorusskogo avtozavoda  
(for Zотов).

(Mine haulage)

ZOTOV, A.V., inzh., red.; PETROVA, V.V., red. izd-va; KASIMOV,  
D.Ye., tekhn. red.; YASHUKOVA, N.V., tekhn. red.

[Technical directions SN 204-62 for assembling tube  
furnaces] Tekhnicheskie ukazaniia na montazh trubchatykh  
pechei (SN 204-62). Izd.ofitsial'nce. Moskva, Gosstroizdat,  
(MIRA 16:6)  
1962. 25 p.

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.  
(Furnaces)

ZELENOV, K.K.; ZOTOV, A.V.; MAKSAREVA, T.S.; FOKEEV, V.M.

Characteristics of the neutralization of acid solutions using  
sea water. Izv. vys. ucheb. zav. geol. i ravn. 8 no. 9:120-  
123 S '65. (MERA 1819).

1. Moskovskiy geologorezdechniy institut imeni S. Ordzhonikidze.

ZOTOV, B., dotsent

Securing traffic safety in rural districts. Avt. transp. 41  
no. 5:46 My '63. (MIRA 16:10)

(Traffic safety)

MERVART, Iozef [Mervart, Josef]; ZOTOV, B.D. [translator]; SEMENOV,  
I.I. [translator]; ROGINSKIY, G.S., prof., red.; BORODIN,  
Yu.V., red.; GOLICHENKOVA, A.A., tekhn. red.; REZUKHOVA, A.G.,  
tekhn. red.

[Price determination in international commerce] TSenooobrazova-  
nie v mezhdunarodnoi torgovle. Pod red. i so vstup. stat'ei  
G.S.Roginskogo. Moskva, Izd-vo inostr. lit-ry, 1962. 350 p.

(MIRA 15:12)

(Prices) (Commerce)

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CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

ZOTOV, B.D.

Analytic design of hypoid gears with circular teeth. Baush,  
tekh.inform.biul. LPI no.11:32-39 '58. (MIRA 12:11)  
(Gearing)

ZOTOV, B.D., kand.tekhn.mash, dotsent

Axes of toothling in a spiroid gear transmission. Itv. vys.  
ucheb. zav.; nauch.instit. v. 1956 (L. 14:7)

1. Tzovskiy mehanich. inzstitut.  
(Gor'kiy, Worsk)

ZOTOV, B.D., kand. tekhn. nauk, dotsent

Determining contact lines in spiroid gear transmissions.

Izv. vys. ucheb. zav.; mashinostr. no.6:5-11 '65.

(MIRA 18:8)

ZOTOV, B.D., kand.tekhn.nauk, dotsent

Curvature of side surfaces of generated circular hypoid gear  
teeth. Izv.vys.ucheb.zav.; mashinostr. no.9:137.142 '61.  
(MIRA 14:12)

1. Izhevskiy mekhanicheskiy institut.  
(Gear cutting)

ZOTOV, Boris Dmitriyevich

[Foreign trade of the people's democracies in the service  
of the building of socialism] Vneshniaia torgovlia stran  
narodnoi demokratii na sluzhbe stroitel'stva sotsializma.  
Moskva, Izd-vo Akad. nauk SSSR, 1958. 193 p.

(MIRA 16:5)

(Communist countries--Commerce)

ZOTOV, Boris Dmitriyevich; LYUBIMOV, N.N., otvetsstvennyy red.; GEORGIYEV,  
Ye.S., red.izd-va

[Foreign trade of the European people's democracies as it serves  
the construction of socialism] Vneshniaia torgovlia evropeiskikh  
stran narodnoi demokratii na sluzhbe stroitel'stva sotsializma,  
Moskva, Izd-vo Akad.nauk SSSR, 1958. 193 p. (MIRA 11:3)  
(Commerce)

ZOTOV, B. D. Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin.

ZOTOV, B. D. - "The geometry of contact of 'poluobkatnyye' gear wheels in connection with the technology of cutting them." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin. Leningrad, 1956.  
(Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis', No. 13, 1956

ZOTOV, B.D., kand.tekhn.nauk

Curvature of side surfaces of circular teeth of hipoid gears machined  
by the semiburnishing method. Izv.vys.ucheb.zav.; mashinostr. no.7:  
30-36 '60. (MIRA 13:11)

1. Izhevskiy mekhanicheskiy institut.  
(Gearing)

KHACHATUROV, T.S., red.; DAN'SHINA, V.N.[translator]; ZOTOV, B.D.  
[translator]; ISUPOV, V.T.[translator]; MENIKER, V.D.[translator];  
TEREKHOV, V.F.[translator]; SHAGALOV, G.L.[translator]; KORMNOV,  
Yu.F., nauchnyy red.; ZAYTSEV, N.F., red.; KHOMYAKOV, A.D., tekhn.  
red.

[Problems in the economic efficiency of capital investments] Vopro-  
sy ekonomicheskoi effektivnosti kapitalovlozhenii; sbornik statei.  
Pod red. i so vstup. stat'ei T.S.Khachaturova. Moskva, Izd-vo  
inostr. lit-ry, 1962. 276 p. (MIRA 15:12)

1. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov).  
(Capital investments)

ZOTOV, B.D.; GOLUBKOV, N.S.

Spiroid worm gear transmissions. Mashinostroitel'  
no.9:35 S '62.  
(bearing, Worm) (MIRA 15:9)

PROGRESSES AND DEVELOPMENTS

CA

Volumetric photogalvanic effect in solutions of electrolytes. I. Photogalvanic effect of oxalates. B. Yu. Dain and A. M. Zotkin. *Ber. Pissarzhevsk. Inst. fizich. khim., Akad. Nauk Ukr. SSR*, 12, 83-97 (1940). A photogalvanic effect was observed on smooth Pt and Pt-black electrodes in a soln. of  $K_2C_2O_4$ . It is shown that the effect is due to the photochem. process taking place in the soln. of the electrolyte and is dependent on the wave length. The effect is explained on the basis of the temporary disturbance of the ionic equil. in the soln. B. Z. Kamitsch

"APPROVED FOR RELEASE: Thursday, September 26, 2002      CIA-RDP86-00513R002065510002-0  
APPROVED FOR RELEASE: Thursday, September 26, 2002      CIA-RDP86-00513R002065510002-0"

ZOTKIN, S. F. Cand Tech Sci --- (diss) "Investigation of the  
printing devices of offset machines," Moscow, 1960, 23 pp, 150 cop.  
(Moscow Polygraphic Institute) (KL, 44-60, 130)

The catalysis of mixtures of oxygen and hydrogen on a maintained smooth platinum surface. III. Effect of the cleaning of the platinum and its preliminary treatment with one of the components of the catalyst on the velocity of the reaction. E. I. Shultz, A. M. Zhitova and M. G. Kuperman. *Int. J. Appl. Phys. Chem. Metall.* 1958, 3, 35. In German, 361; cf. C. A. 53, 35077, 33, 48497. A Pt catalyst cleaned with a  $\text{Na}_2\text{CO}_3$  soln. or  $\text{Na}_2\text{CrO}_4$  is most active in the catalysis of  $\text{O}_2 + \text{H}_2$ , although its active centers are known to be connected with  $\text{O}_2$ . A catalyst purified with an intermittent heat treatment in an alc. flame and immersion in concentrated  $\text{HCl}$  has a considerably higher activity, although it is poisoned with greater ease. The deviations noted in the data by the authors and those by K. A. Hoffmann, et al. (cf. C. A. 11, 788; 16, 2441; 19, 1649) are due to differences in the methods of cleaning and the washing off of the catalyst between the charging with  $\text{O}_2$  and with the given gas mixt. The investigation covers the poisoning of the catalyst with pure water and the restoration of its activity. The activity can be restored successfully by heating the catalyst for a short time with a gas mixt. at about 30°. A. A. Boetlingk.

L 09208-67 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) GG/JD/JG  
ACC NR: AP7002765 SOURCE CODE: UR/002C/66/169/001/0092/0093

AUTHOR: Popova, A. A.; Zotkina, V. B.  
ORG: Institute of Crystallography, AN SSSR (Institut kristallografii AN SSSR)  
TITLE: Production of single crystals of oxides of the rare earth elements by the  
Verneuil method

SOURCE: AN SSSR. Doklady, v. 169, no. 1, 1966, 92-93

TOPIC TAGS: rare earth metal, inorganic oxide, crystal growth  
ABSTRACT: The possibility of applying the Verneuil method to the production of  
oxides containing lanthanides with atomic numbers from 62 to 71 was explored,  
and the permissible limits of fluctuation of the gas systems of crystallization  
of various compositions were established. All the rare earth oxides tested,  
with the exception of that of terbium, acquired a trivalent state independent  
of the oxidation-reduction potential of the medium in the crystallization space  
during growth of crystals by the Verneuil method. The crystals of sesquioxides  
of the tested series of lanthanides, produced by the Verneuil method, belong to  
two classes of structural modifications:  $Sm_2O_3$  and  $Gd_2O_3$  are monoclinic, whereas  
 $Dy_2O_3$ ,  $Ho_2O_3$ ,  $Er_2O_3$ ,  $Tm_2O_3$ ,  $Yb_2O_3$ , and  $Lu_2O_3$  are cubic. The micro-  
hardnesses of the investigated crystals increased with increasing atomic number.  
An exception was  $Dy_2O_3$ , the comparatively high hardness of which is attributed  
by the authors to the presence of impurities of nonlanthanide elements. This  
paper was presented by Academician A. V. Shubnikov on 25 October 1965. The  
authors thank O. K. Mel'nikov for the discussions of the results of the x-ray  
analysis of the samples. Orig. art. has: 1 table. [JPRS: 38,139]

SUB CODE: 20, 07 / SUBM DATE: 25Oct65 / ORIG REF: 004 / OTH REF: 004

Card 1/1

UDC: 548.55

0925 1643

ZOTKINA, Z.A.

Modification of ventricular polychlorvinyl drainage. Vop. neirokhir  
24 no. 2:35-36 Mr-Apr '60. (MIRA 14:1)  
(BRAIN—BLOOD VESSELS)

Z C T K  
"APPROVED FOR RELEASE: Thursday, September 26, 2002  
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

CHIBUKIVAGEN, N.B., professor; ZONSTHA, Z.A.

Report on the activities of the Kharkov Neurosurgical Society in  
1956. Vop.neirokhir. 21 no.4:57-58 Je-Ag '57. (MIRA 10:10)  
(KHARKOV--SURGICAL SOCIETIES)

CHIBUKMAKER, N.B., professor; ZOTKINA, Z.A.

Sessions of the Kharkov Neurosurgical Society. Vop. neirokhir. 20  
no. 4:48-52 J1-Ag '56. (MIRA 9:11)  
(NERVOUS SYSTEM--SURGERY)

ZOTO, Akile, dr.

Organization of the campaign for voluntary blood donors. Shendet.  
pop. 1:4-7 '64.

1. Kryetar i deges mjekimit ne M. Shendetesise.

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CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

ZOTO, Akile, dr.; LITO, Spiro, dr.

Blood transfusion. Shendet. pop. 23 no.5:21-28 '62.  
(BLOOD TRANSFUSION)

2841. Dependence of the binding force of covariant  
light-cavity effects on particle size. V. I. Vlasov  
AND YA. N. KHUR. Dokl. Akad. Nauk. SSSR,  
(No. 4708-50) 1970, p. 939-941.

*mp-n-p*

For  $Mg^{2+}$  a proton enters the binding force per

ZOTON, T.

APP

1841. Dependence of the scattering series of powdered highly energetic alloys on particle size. T. D. HOROWITZ AND Y.A. G. SHUR. Dokl. Akad. Nauk, 1958, 117, (No. 4) 687-70 (1959) In Russian.

E3H.3

✓  
361  
830.24  
2841. Dependence of the general form of powdered  
highly explosive nitro on particle size. L. D. KOTIN  
AND V. G. SOKOLOV. Dokl. Akad. Nauk SSSR, 1960, 140  
(No. 4) 847-851 (1960) In Russian.

APPROVED FOR RELEASE: Thursday, September 26, 2002  
REF ID: A6510002

APPROVED FOR RELEASE: Thursday, September 26, 2002 | CIA-RDP3A-06510002-014

## DOCUMENTS AND PROPERTIES INDEX

A53  
16

53824  
2041. Dependence of the coercive force of powdered  
magnetically coercive alloys on particle size. T. D. Zaitsev  
and Ya. S. Sushko. *Dokl. Akad. Nauk. SSSR*, 74  
(No. 4) 687-90 (1950) *In Russian*.

## ASA-10A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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GUBAREV, G.; ZOTOT'KO, S. prepodavatel'; NAYDENOV, V.; ZHAROV, P.; BARYSHNIKOV, V.

Continuing the discussion of problems of labor organization under  
conditions of new technology. Sots. trud 5 no.5:66-74 My '60.  
(MIRA 13:11)

1. Nachal'nik otdela truda i zarplaty Rostovskogo sovnarkhoza (for  
Gubarev). 2. Vysshaya partiymaya shkola, Khar'kov (for Zolot'ko).  
3. Nachal'nik tsekhovogo byuro truda i zarabotnoy platy Khar'kovskogo  
traktornogo zavoda (for Naydenov). 4. Nauchno-issledovatel'skiy  
institut truda, Moskva (Zharov). 5. Nachal'nik otdela truda i  
zarplaty Yuzhno-Kazakhstanskogo sovnarkhoza (for Baryshnikov).

(Labor and laboring classes)

(Automation)

(Technological innovations)

ZOTOV, A.; YAKUBOV, B.; SMIRNOV, N.; CHABROV, G.; KOCHEROV, V.,  
red.; BAKHTIYAROV, A., tekhn. red.

[Cities of the Fergana Valley; concise reference book]  
Goroda Ferganskoi doliny; kratkii spravochnik. Perer.  
2 izd. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1963. 157 p.  
(MIR 16:11)

(Fergana--Cities and towns)

ZOTOV, A., inzh.; KHARIN, V., inzh.

OMP-1 device for detecting metal objects. Radio no. 9:45-46  
S '65.  
(MIRA 19:1)

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CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

ZOTOV, A.A.

Device for locating underground gas pipelines. Gaz. prom. 7  
no. 9134-36 '62.  
(MIRA 17:8)

*ZOTOV*  
USSR/Morphology of Man and Animals - (Normal and Pathologic).  
Respiratory System.

S-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12353  
Author : Zotov, A.A.  
Inst : -  
Title : On the Presence of Particles of Diatom Alga in Human  
Lungs (a Preliminary Communication)  
Orig Pub : V sb. sudebno - med. ekspertizy. Vyp. 2. M., Gosyurizdat,  
1955, 238-240  
Abstract : Frustules of diatoms were found in the lungs of 7 out of  
8 cadavers whose death was not caused by drowning..

Card 1/1

Effect of various tillage methods on the physical properties of  
soils in dry valley pastures. Pochvovedenie no.2:91-95 F '63.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov.  
(Moscow Province—Pastures and meadows)  
(Tillage) (MIRA 16:3)

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CIA-RDP86-00513R002065510002-0"

ZOTOV, A. F.

"Investigation of the Antibacterial Properties of Fish From  
the Middle Current of the Dnepr River." *Canal Biol Sci*, Kiev  
State U, Kiev, 1953. (RZhBiol, No 1, Sep 54)

SO: Sun 432, 29 Mar 55

ZOTOV, A.F.

Studying antibacterial properties of fish extracts. Vop. ikht.  
no.11:188-191 '58. (MIRA 12:1)

I.Kafedra zoologii bespozvonochenykh Moskovskogo gosudarstvennogo  
universiteta imeni M.V. Lomonosova.  
(Fishes) (Extracts) (Antiseptics)

ZOTOV, A.F.

Antibacterial properties of organs and tissues in fresh-water  
fishes. Vop. ikht. no.10:157-161 '58. (MIRA 11:10)

1. Moskovskiy gosudarstvennyy universitet, kafedra zoologii bez-  
pozvonechnykh.  
(Fishes) (Antibiotics)

LOKSHIN, Ye.L.; ZOTOV, A.G.; CHRMEN, V.P.; SHIPILOV, N.G.

Ways to improve the industrial and economic indices in the preparation of underground gas producers by boring. Podzem. gaz.ugl. no.3:67-71 '59. (MIRA 12:12)

1. Angreneskaya stantsiya "Podzemgaz."  
(Coal gasification, Underground)  
(Boring)

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70602

Author : Zotov, A. I.

Inst : Leningrad State Pedl Institute

Title : Studies of After-Images in Color Anomalies

Orig Pub : Uch. zap. Leningradsk. gos. ped. in-t, 1956, Vol 23, 85-100

Abstract : Studies were made of two protoanomalies and two deutero-anomalies by the following method: following dark adaptation, the experimental subjects, for a period of 10-60 sec, were permitted to adapt to light. Then they looked at a white screen and observed the changes of color in the after-images. The experiments were run in several variations. The sensitivity of proto- and deuteroanomalies to contrast colors was opposite to their sensitivity to real colors; the production of after-images from green light in protoanomalies temporarily increased

Card 1/2

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10001  
S/137/62/000/004/185/201  
A154/A101

1.2300

AUTHORS:

Zotov, A.I., Akinfiyev, M.I.

TITLE:

Soldering ferrites by ultrasonic means

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 75, abstract  
E421 ( St."Primeneniye ul'trazvuka v tekhnol.mashinostr." no. 2,  
M., 1960, 179 - 180)

TEXT: It has been established that ferrites can be soldered right in a molten solder irradiated with ultrasound the intensity of which is sufficient for producing a cavitation process. A supersonic bath has been made for this purpose, fixed on transformer speeds, provided with electric heating means for melting the solder, and a magnetostriction converter. To prevent cracking of parts, the latter are heated and dipped into the molten solder bath; only those sections to be worked are dipped. After this they are soldered prior to the solidification of the solder applied. Subsequent soldering with a soldering iron is permissible. Ferrites soldered together by ultrasonic means, subjected to rupture test, showed that the average rupture force for Mg-Mn ferrite was 1 kg/mm<sup>2</sup>, that for NiZn

Card 1/2

Soldering ferrites.....

S/137/62/000/004/185/201  
A154/A101

ferrite was  $0.8 \text{ kg/mm}^2$ , and rupture occurred mainly in the basic material, not within a soldered joint. Mechanical strength of such joints was likewise found to be satisfactory.

V. Tarisova

[Abstracter's note: Complete translation]

Card 2/2

ZOTOV, A.I., prepodavatel'; MKRTCHYAN, Sh.A.

Chlorophos in controlling warble flies in cattle. Veterinaria  
37 no.6:74 Je '60. (MIRA 16:7)

1. Omakiy sel'skokhozyaystvennyy tekhnikum (for Zotov),
2. Nachal'nik upravleniya sel'skogo khozyaystva Gornob-  
Altayskoy avtonomnoy oblasti (for Mkrtchyan).  
(Warble flies) (Chlorophos)

ZOTOV, A.I.

Interaction of sensations in binocular contrast. Vop.psichol. 7  
no.2:87-96 Mr-Ap '61. (MIRA 14:6)

1. Leningradskoy gosudarstvennyy pedagogicheskiy institut imeni  
A.I.Gertsena.  
(Vision) (Senses and sensation)

ZOTOV, A.I.

R-12

USSR/Human and Animal Physiology - Nervous System.

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71176

Author : Zotov, A.I.  
Title : The Interaction of Color Sensations in the Dynamics of  
Extinguishing the Subsequent Image.

Orig Pub : Uch. zap. Leningr. gos. ped. in-ta, 1956, 23, 5-33

Abstract : The shadow of the object on a colored background was perceived as a strip of contrasting color (inductive inhibition of the cortex). In the resulting image (RI) the colors of the object and background changed places. The interaction of the nerve processes determined the stability of the mutually contrasting colors in the immediate perception, in the RI, and in the course of extinguishing of RI, the perception of grey by putting the RI of the colored object on the background of the same color, the perception of a grey object in the beginning of adaptation in the form of a contrastingly colored one, and then- in the

Card 1/2

- 117 -

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71176

form of grey and finally with shades of the background color with unchanged color of RI. Complex phenomena of the simultaneous and following contrast are conditioned by the mutual induction of the cortical processes, but cannot be explained by the peripheral theory.

Card 2/2

- 118 -

ZOTOV, A.I.

R-12

USSR/Human and Animal Physiology - Nervous System.

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71178

Author : Zotov, A.I.  
Title : Images Following Achromatic Colors.

Orig Pub : Uch. zap. Leningr. gos. ped. in-ta, 1956, 23, 61-83

Abstract : The change in the relation in the brightness of achromatic objects and background produced a change in the color of the subsequent images (SI). The dynamics of interaction of perception in the course of extinguishing of SI did not differ from the dynamics of SI produced by the adaptation to two chromatic colors. By reducing the differences in the brightness of the object and background, the color of SI did not change, or one color changed independently of the other. The described phenomena were observed in the action of stimuli on different parts of the retina. The adaptation of one eye to two achromatic colors produced interaction of the colors in the binocular

Card 1/2

- 119 -

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71178

contrast, coinciding with the colors following the  
contrast at the action of the same achromatic stimuli.  
The obtained findings confirm the cortical nature of  
SI from achromatic colors.

Card 2/2

- 120 -

ZOTOV, A. I.

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71179

Author : Zotov, A.I.  
Title : Individual Differences in Interaction fo Visual Perception in the Dynamics of Subsequent Images.

Orig Pub : Uch. zap Leningr. gos. ped. in-ta, 1956, 23, 101-116

Abstract : The speed of appearance of the subsequent image (SI) reflects the motility, in duration and phase of SI the strength and balance of the basic nerve processes in the visual analyser. In the training process, the speed of the emergence of SI increases, the number of colors and shades which can be distinguished in the extinguishing of SI increases. The peculiarities of the interactions in perception in the course of SI are considered as manifestation of individual differences in the action of the visual analyser and the interaction of the signaling systems.

Card 1/1

- 121 -

BUTONOV, V.A., inzh.; ZOTOV, A.I., inzh.

Adjusting truck-mounted cranes and trucks for use on railroad  
tracks. Nov. tekhn. i pered. op. v stroi. 20 no. 8:28-30 Ag '58.  
(MIRA 11:7)

(Cranes, derricks, etc.)  
(Motortrucks)

ZOTOV, A.I., inzhener.

Universal railroad crane motorcar. Elek.sta. 27 no.9:49-50 S '56.  
(MLRA 9:11)

(Motor trucks)  
(Cranes, derricks, etc.)  
(Railroad motorcars)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0  
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**ZOTOV, A.I., kandidat pedagogicheskikh nauk.**

Spatial dynamics of color sensation (on a black background)  
in subjects with abnormal color vision. Trudy Gos. inst. po  
izuch. mozga 15:53-65 '47. (MLRA 7:2)  
(Color blindness)

ALEKSEYEV, M.A.; ASKNAZIY, A.A.; ZOTOV, A.I.; LIPATOVA, N.Ya.

Certain characteristics of the formation of complex conditioned  
motor reactions in man. Zh. vys. nerv. deiat. 5 no.6:773-782 N-18  
'55.

1. Leningradskiy nauchno-issledovatel'skiy institut fizicheskoy  
kul'tury. (MIRA 9:3)

(REFLEX, CONDITIONED,  
conditioned motor complex reactions in man, mechanism  
of form)

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0"

ZOTOV, A.I., kandidat pedagogicheskikh nauk.

Spatial dynamics of achromatic vision in color blindness.  
Trudy Gos. inst. po isuch. mosga 15:66-73 '47. (MLRA 7:2)  
(Color blindness)

ZOTOV, A.I.

Improving the fastening of dogs on log jacks. Sbor.vnedir.rats.pred.  
v les. i meb.prom. no.2:7-8 '59. (MIRA 1):8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Lumbering--Machinery)

ZOTOV, A.I.

Thickening the neck of the top feed roller shaft of the RD-75-2 log  
frame. Sbor.vnedr.rats.pred. v les. i meb.prom. no.2:11 '59.

(MIRA 13:8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Saws)

ZOTOV, A.I.

Improved design for electric screwdrivers. Sbor.vnedr.rats.pred. v  
les. i meb.prom. no.2:77-79 '59. (MIRA 13:8)

1. Leningradskiy lesopil'no-deravoobrabatyvayushchiy kombinat.  
(Screwdrivers)

ZOTOV, A.I.

Suggestions for greater efficiency in inserting wood screws on the assembly line. Sbor.vnedr.rats.pred. v les. i meb.prom. no.2:81-82 '59.  
(MIRA 13:8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Screwdrivers)

Fork for picking up nails while nailing boxes. Sbor.vnedr.rats.pred.  
v les. i meb.prom. no.2:82 '59. (MIREA 13:8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Woodwork--Tools and implements)

1/1800  
18.12.10

36531  
S/081/62/000/006/057/117  
B149/B108

AUTHORS: Akinfiyev, M. I., Zotov, A. I., Pavlov, A. A.

TITLE: Electroplating of aluminum and its alloys under the action of ultrasound

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 407 - 408,  
abstract 6K182 (Sb. "Primeneniye ultrazvuka v tekhnol.  
mashinostr.". no. 2, M., 1960, 149 - 154)

TEXT: The influence of ultrasound (us.) on zinc and copper plating of aluminum and its alloys in cyanide electrolytes has been investigated in terms of the effect on the quality of and cohesion between the coating and the base, the  $B_k$ , the rate of Cu deposition, the dispersibility of the electrolytes and the surface pretreatment. The quality of the coating is better when us. is used; the coated parts were tested successfully for temperature (up to  $180^{\circ}\text{C}$ ) and climatic (90 days at a relative humidity of 98 %) stability. When us. is used the processes can be intensified owing to the increase of  $D_k$  to  $12\text{a}/\text{dm}^2$  for zinc plating and  $10\text{a}/\text{dm}^2$  for copper

Card 1/2

Electroplating of aluminum and ...

S/081/62/000/006/057/117  
B149/B108

plating. The use of us. for aluminum coating does away with a number of preparatory operations. Surface preparation except degreasing, is a-  
chieved in the zinc plating electrolyte. [Abstracter's note: Complete  
translation.]

Card 2/2

X

S/194/62/000/005/087/157  
D222/D309

AUTHORS: Zotov, A.I., Akinfiyev, M.I., and Pavlov, A.A.

TITLE: The use of ultrasound in the technology of ferrite production

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-5-44 a (V sb. Primeneniye ul'trazvuka v tekhnol. mashinostr. no. 2, M., 1960, 134 - 138)

TEXT: The use of ultrasound for the pulverization and mixing of ferrite mixtures and for the mechanical processing of ferrites is described; in this work an Y3F-10 (UZG-10) generator and DMC-6 (PMS-6) transducer were used. Data are given on the optimal operating conditions and on the composition of the liquids used in the pulverization of ferrite mixtures. Ultrasound and other methods of pulverization are compared in a table. With respect to the mechanical processing of the ferrites, it is shown that a high accuracy can be achieved in the processing of openings and grooves of complex configuration and that the process of ultrasound processing is

Card 1/2

The use of ultrasound in the ...

S/194/62/000/005/087/157  
D222/D309

technologically suitable and saves time. Different compositions of emulsions, the influence of ultrasound technology on the properties of ferrites and so on, are examined. A table shows the dependence of processing time on the granularity of boron carbide. [Abstractor's note: Complete translation].

Card 2/2

S/194/62/000/005/084/157  
D222/D309

AUTHORS: Akinfiyev, M.I., Zotov, A.I., and Favlov, A.A.

TITLE: Galvanic coating of aluminum and its alloys with the interaction of ultrasound

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-5-40 ye (V sk. Primeneniye ul'trazvuka v tekhnol. mashinostr. no. 2, M., 1960, 149 - 154)

TEXT: The influence of ultrasound on the electro-chemical processes is examined and the positive action of cavitation is noted. It is shown that the ultrasonic oscillations facilitate the depolarization of the electrodes and the degassing of the liquid. The investigation of the action of ultrasound on the galvanic coating of aluminum was carried out at 18-23 kc/s frequencies, using a PMS-6 (PMS-6) transducer. The transducers were mounted on a diaphragm of variable thickness, 2 - 10 mm, being the bottom of the bath. During zinc and copper plating of aluminum in cyanogen electrolytes, the current density was reduced to 27 a/dm<sup>2</sup> and a better adherence of

Card 1/2

Galvanic coating of aluminum and its ... S/194/62/000/005/084/157  
D222/D309

the coating to the base metal was obtained. It is noted that at large ultrasound intensities the speed of copper plating is reduced because of the cavitational deterioration of the metal. During silver plating of aluminum, ultrasound is used not only for the galvanic coating of the zinc, copper and silver layers, but also for the preparation of the pieces (cleaning and degreasing) before plating. The technology of silver plating in an ultrasound field is described. [Abstractor's note: Complete translation].

Card 2/2

39622  
S/194/62/000/004/064/105  
D295/D308

9.2571

AUTHORS: Zotov, A. I. and Akinfyev, M. I.

TITLE: Ultrasonic soldering of ferrites

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 4, 1962, abstract 4-5-37y (V sb. Primeneniye ul'  
trazvuka v tekhnol. mashinostr. no. 2, M., 1960,  
179-180)

TEXT: The possibility of soldering ferrites without preliminary  
silver-covering of the surface is investigated. It was found that  
such tinning is possible in a molten solder irradiated by ultraso-  
nics with a radiation intensity sufficient for generating cava-  
tion in the solder. A tinning apparatus was devised, consisting of  
a magnetostriction radiator with a concentrator, at whose end is  
placed a bath with electrical heating for melting the solder. Af-  
ter tinning the parts, soldering by means of a soldering iron is  
possible. The great strength of the soldering was observed; in  
tests, the samples broke across the basic material. The soldering

Card 1/2

Ultrasonic soldering of ...

S/194/62/000/004/064/105  
D295/D308

of metal parts to ferrites is possible, the mechanical strength proving fully satisfactory. Soldering was carried out with the P-200 (P-200) solder. Abstracter's note: Complete translation. 7

X

Card 2/2

S/123/62/000/015/009/013  
A052/A101AUTHORS: Zotov, A. I., Akinfiyev, M. I., Pavlov, A. A.

TITLE: Application of ultrasound in the technique of ferrite production

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 15, 1962, 23, abstract  
15B144 (In collection: "Primeneniye ul'trazvuka v tekhnol. mashinost".  
Moscow, no. 2, 1960, 134 - 138)TEXT: The possibility was investigated of the application of ultrasound to  
grinding and intermixing metal oxides of which the charge for forming ferrites  
is prepared. The experiments were carried out using a Y3TC (UZGS) ultrasonic  
generator with a magnetostriction converter. The main parameters determining the  
processes of grinding and intermixing charge materials are: oscillation frequency,  
relation between the amount of liquid and the material ground, the thickness of  
the irradiated ground layer, the intensity of ultrasonic and audio oscillations,  
cavitation capacity of the liquid and the irradiation time. It is established  
that the dispersion of the powder ultrasonically ground during 10 min is higher  
than that of the powder ground in ball mills during 24 hours or in a vibration  
than that of the powder ground in ball mills during 24 hours or in a vibration

Card 1/2

Application of ultrasound in...

S/123/62/000/015/009/013  
A052/A101

grinder during 16 hours. Ferrite elements manufactured of powders produced after ultrasonic processing have equivalent magnetic properties as compared with the elements produced of powders prepared by conventional processing. It is reported on a successful application of ultrasound to machining ferrites. Grooves and holes in ferrite elements are produced on ultrasonic installations.

E. Spivak

[Abstracter's note: Complete translation]

Card 2/2

DANILOVICH, B.A.; ZOTOV, A.N.

Organization of the fluorographic examination of workers and  
employees of small industrial plants. Gig. i san. 26 no. 4:57-60  
Ap '61.  
(MIRA 15:5)

1. Iz sanitarno-epidemiologicheskoy stantsii Stalinskogo rayona Moskvy.  
(INDUSTRIAL HYGIENE) (DIAGNOSIS, FLUOROSCOPIC)

ZOTOV, A.N. & PROKOP'YEV, P.N., starshiy inzh.

Following the example of the brigade of communist labor. Tekst.  
prom. 21 no.12:70-72 D '61.  
(MIRA 15:2)

1. Nachal'nik byuro tekhnicheskoy informatsii Chuvashskogo  
sovnarkhoza (for Zотов). 2. Byuro tekhnicheskoy informatsii  
Chuvashskogo sovnarkhoza (for Prokop'yev).  
(Chuvashia--Textile industry--Labor productivity)

176

SOV/177-58-9-2/51

AUTHORS: Zotov, A.P., Colonel of the Medical Corps, Shumova, S.V., Lieutenant-Colonel of the Medical Corps

TITLE: Analysis of Traumatism and Prophylactic Measures (According to Material of a Hospital)

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 9, pp 7-10 (USSR)

ABSTRACT: The author tabulates and reports on traumatic cases of soldiers. The article is based on data of a garrison hospital and a treatise by N.D. Krivonosov, published in 1952. Most of the injuries occurred during off-duty hours. The author distinguishes injuries connected with economic work, casual injuries sustained during duty hours and mainly sports injuries. Injuries to the lower extremities predominate over others. The implementation of prophylactic measures reduced the injuries in garrisons "by half". There are 4 tables.

Card 1/1

GULAMOV, R.G.; ZAYKO, G.I.; ZOTOV, A.N.; ISADZHANOVA, Kh.E.; SOKOLOV,  
Yu.A.; SHKLOVER, A.Ya.; TSUKERMAN, M.P.; USTIMENKO, I.L., red.;  
BAKHRIYAROV, A., tekhn.red.

[Tashkent; concise reference book] Tashkent; kratkii spravochnik.  
Izd.2., dop. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1958. 190 p.  
(MIRA 13:3)  
(Tashkent—Guidebooks)

25899. ZOTOV, A. P. Primenenie RSK dlya tipirovaniya shtamnov  
virusa i serodiagnostiki infektsionnogo entsefalomyelita loshadey.  
Avtoreferat. Veterinariya, 1949, No. 8, S. 57.

So. Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

All-Union Inst. Experimental Vet. Med.

ZOTOV, A.P. (Sen. Sci. Assoc., VIEV)

A.A. Markov, Prof, Merited worker of Sci, A.P. ZOTOV (Sen. Sci. Assoc) and  
M.A. Il'Yashenko, V.G. Petrov (Junior Sci. Associates (VIEV)

"Mosquitoes of the Species Culex as the Carriers of the Virus of Infectious  
Equine Encephalomyelitis,"

SO: Trud VIEV, Vol-19, No-2, pp-97-102, 19 Vol 18, 1951.

USSR/Medicine (vet) - Infectious Diseases Jun 51

"Equine Infectious Encephalomyelitis (IEML)", A. P. Zolotov, Cand. Vet. Sci.

"Veterinariya" Vol. XXVIII, No. 6, pp 20-29

183T82 The disease in the USSR is caused by 2 serologically distinct viruses, and the presence of Born's virus is also possible. G. M. Bosh'yan describes bacterial form of the IEML virus. IEML is transmitted by Dermacentor, Hyalomma, and Ornithodoros ticks and by Aedes and Culex mosquitoes. A natural reservoir of IEML, similarly to human encephalitis, may be formed by rodents, birds, or reptiles.

IC

183T82

USER/Medicine (vet) - Infectious Diseases Jun 51  
(Contd)

Peaks of incidence correspond to peaks in the number of Brandt's field mice. Lethality is 50-90%. Born's disease occurs in May-Jun, IEML in Aug-Sep. Autohemotherapy and serum therapy under application of various blood sera and immune sera are effective. Best results were obtained with immune serum of swine plague (or blood of IEML convalescents) combined with urotropin and spirits of camphor therapy.

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APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065510002-0"

"The Biological Character of the Causative Agent and Data Relating to the  
Epizootiology of Infectious Equine Encephalitis." Dr Vet Sci, All-Union Inst  
of Experimental Veterinary Sci, Ministry of Agriculture USSR, Moscow, 1954.  
(RZhBiol No 8, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

ZOTOV, A.P.; CHUMAKOV, M.P.; MARKOV, A.A.; STEPANOVA, N.I.; PETROV, A.N.

Experimental induction and serological investigations of Q fever.  
Veterinariia 33 no.7:44-53 J1 '56. (MIRA 9:9)  
(Q fever)

Country : USSR  
Category: Virology. Viruses of Man and Animals.  
Rickettsias

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103554

Author : Zotov, A.P.; Chumakov, N.P.; Markov, A.A.; Stepanova,  
N.I.  
Inst : All-Union Institute of Experimental Veterinary Medicine  
Title : Experimental Study of "Q" Fever in Agricultural Animals  
(First Report). Experimental Reproduction of the Disease

Orig Pub: Tr. Vses. in-ta chsperim. veterinarii, 1957, 20, 76-89.

Abstract: Sheep, goats, long-horned cattle, horses and pigs were  
infected by means of the administration of massive  
doses of Rickettsia burneti (intravenously, subcuta-  
neously, intracutaneously, orally, intracardinally)

Card : 1/2

Country : USSR

E

Category: Virology. Viruses of Man and Animals. Rickettsias.

Abs Jour: Ref Zhur-Diel., No 23, 1958, 103555

Author : Zotov, A.P.; Chumakov, M.P.; Markov, A.I.; Soganova, N.I.

Inst : All-Union Institute of Experimental Veterinary Medicine

Title : Experimental Study of "Q" Fever in Agricultural Animals  
(Second Report). Study of the Complement-Fixation  
Reactions in Animals Experimentally Infected with "Q"  
Fever

Org Pub: Tr. Vses. in-ta eksperim. veterinarii., 1957, 20, 99-95

Abstract: After the parenteral administration of massive doses  
of rickettsias, complement-fixing antibodies appeared  
in the serum on the fourth to seventh day in titers  
of 1:10-1:20. The maximum titers (up to 1:320-1:640)

Card : 1/2

Country : USSR

E

Category: Virology. Viruses of Man and Animals  
Rickettsias.

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103556

Author : Markov, A.A.; Chumakov, M.P.; Zotov, A.P.; Stepanova, N.I.

Inst : All-Union Institute of Experimental Veterinary Medicine

Title : Experimental Study of "Q" Fever in Agricultural Animals  
(Third Report). Investigation of the Transmission of the  
"Q"-Fever Organism by the tick, Rhipicephalus bursa

Orig Pub: Tr. Vses. in-ta eksperim. veterinarii, 1957, 20, 96-  
105

Abstract: Ticks in the sexually-immature stage (larvae and nymphs)  
and in the imago stage could be infected with Rickettsia  
burneti by means of letting them feed on infected sheep;  
in their turn, all the stages of ticks infected in this  
way were able to infect healthy animals, onto which they

Card : 1/2

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0"

ZOTOV, A. P. (Professor), BLINOV, P. N. (Senior Scientific Collaborator, All-Union Institute of Experimental Veterinary Medicine).

"Investigations concerning the etiology of infectious atrophic rhinitis in swine."

Veterinariya, Vol. 38, No. 3, 1961, p. 32.

ZOTOV, A.P., prof.; ELINOV, P.N., starshiy nauchnyy sotrudnik

Studying the etiology of infectious atrophic rhinitis of  
swine. Veterinariia 38 no.3:32-36 Mr '61 (MIRA 18:1)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

ZOTOV, A.P., prof.

African horse sickness of one-hoofed animals. Veterinariia 39  
no.5e65-72 My '62 (MIRA 18:1)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

LIKHACHEV, N.V.; SYURIN, V.N.; TSION, R.A.; SHCHERBATYKH, P.Ya.;  
ZOTOV, A.P.; SKOMOROKHOV, A.L.; PIROG, P.P.; PINUS, A.A.;  
BAZYLEV, P.M.; NAZAROV, V.P.; ORLOV, F.M., dots.;  
USACHEVA, I.G., red.; YARNYKH, A.M., red.; BALLOD, A.I.,  
tekhn. red.; PROKOF'YEVA, L.N., tekhn. red.

[Virus diseases of animals] Virusnye bolezni zhivotnykh.  
Moskva, Sel'khozizdat, 1963. 564 p. (MIRA 17:1)

LIKACHEV, N.V., prof.; AGRINSKIY, N.I., prof.; SYURIN, V.N., prof.;  
SPESIVTSEVA, N.A., prof.; KOLOBOLOTSKIY, G.V., prof.;  
ZOLOTAREV, N.A., prof.; KORYAZHNOV, V.P., prof.; KOLESOV,  
S.G., prof.; BABICH, M.A., prof.; PETROV, A.M., prof.; ZOTOV,  
A.P., prof.; DOROFEEV, K.A., prof.; POLIKOVSKIY, M.D., prof.;  
SOLOMKIN, P.S., prof.; ORLOV, Ya.S., prof.; KOTOV, V.T., prof.;  
TRILENKO, P.A., prof.; LYUBASHENKO, S.Ya., prof.; USACHEVA,  
I.G., red.; YARNYKH, A.M., red.; BALLOD, A.I., tekhn. red.

[Veterinary laboratory practice]. Veterinarnaia laboratornaia  
praktika. Moskva, Sel'khozizdat. Vol. [General microbiological  
methods of investigation] Obshchie mikrobiologicheskie metody is-  
sledovaniia. 1963. 566 p. Vol.2. [Biochemical, chemico-  
toxicological, and veterinary hygienic methods of investigation]  
Biohimicheskie, khimiko-toksikologicheskie i zoogigienicheskie  
metody issledovaniia. 1963. 431 p. (MIRA 16:8)  
(Veterinary laboratories)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0"

ZOTOV, A. P. (Professor, All-Union Institute of Experimental Veterinary Medicine)

"African plague of the solid-ungulates"

Veterinariya, vol. 39, no. 5, May 1962 p. 65

ZOTOV, A. P.

"Veterinary-Sanitary and Antiepizootic Measures for Q Fever among Agricultural  
Animals"

from Bor'bas Boleznyarni, Obshchimi Dlya Cheloveka i Zhivotnykh (Zoonozy)  
Moscow, 1961.

ZOTOV, A. P.

"Leukoses of Agricultural Animals"

from Bor'bas Boleznyarni, Obshchimi Dlya Cheloveka i Zhivotnykh (Zoonozy)  
Moscow, 1961.

ZOTOV, A.P., prof.

Results of an investigation of Q fever and tularemia in farm animals.  
Trudy VIEV 23:202-214 '59. (MIRA 13:10)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.  
(Q fever) (Tularemia)

ZOTOV, A.S.

Cutting unnecessary expenses. Tekst.prom. 20 no.2:86-87  
F '60. (MIRA 13:6)  
(Textile industry--Costs)

ZOTOV, Aleksey Timofeyevich; CHULKOVA, I.S., red.; SHPAK, Ye.G.,  
tekhn. red.

[Urea] Mochevina. Moskva, Goskhimizdat, 1963. 173 p.  
(MIRA 17:2)

GLOZSHTEYN, Ya.S.; ZOTOV, A.V.; SERGEYEV, B.V.; SHASHKOV, V.F.;  
GORDEYEV, P.A., red.izd-va; SHIROKOVA, G.M., red.izd-va;  
KOMAROVSKAYA, L.A., tekhn. red.

[Construction of furnaces for the building materials industry] Kladka pechey promyshlennosti stroitel'nykh materialov. [By] IA.S.Glozshtein i dr. Moscow, Gosstroizdat, 1963. 299 p. (MIRA 17:2)

ZOTOV, A.V., inzh., red.; OVCHININSKIY, A.F., inzh., red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat. Pt.1. Sec.G., ch.10. [Refractory materials and products] Ogneupornye materialy i izdeliya (SNiP I-G. 10-62). 1963. 48 p. (MIRA 17:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Zотов).
3. Mezhdunarodstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil (for Овчининский).

KAMENETSKIY, S.P.; UTKIN, V.V.; ZOTOV, A.V., nauchnyy red.; VOLNYANSKIY, A.G.,  
glav. red.; SOKOLOV, D.V., zam. lav. red.; TARAN, V.D., red.; SERE-  
BRENNIKOV, S.S., red.; MIKHAYLOV, K.A., red.; STAROVENOV, I.G., red.;  
VOLODIN, V.Ye., red.; NIKOLAYEVSKIY, Ye.Ya., red.; SHIROKOVA, G.M.,  
red. izd-va; NAUMOVA, G.D., tekhn. red.

[Heat insulation work] Teploizoliatsionnye raboty. Moskva, Gos. izd-  
vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 439 p.  
(MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut "Teploprojekt".  
(Insulation (Heat))

ZOTOV, A.V., inzh., red.; STRASHNYKH, V.P., red.izd-va; GARNUKHIN, Ye.K.,  
tekhn.red.

[Technical specifications MRTU 7-3-60 for finely-ground additions  
and aggregates for heat-resistant concretes] Tekhnicheskie  
usloviia na tonkomoletye dobavki i zapolniteli dlia zharostoiikikh  
betonov, MRTU 7-3-60. Moskva, Gos.izd-vo lit-ry po stroit., arkhit.  
i stroit.materiam, 1961. 14 p. (MIRA 14:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.

(Concrete—Specifications)

ZOTOV, A.V., inzh., red.; KHAVIN, B.N., red.izd-va; NAUMOVA, G.D.,  
tekhn.red.

[Regulations SN 64-59 on carrying out lining operations in rotary  
cement-burning kilns] Instruktsiia po proizvodstvu futerovochnykh  
rabit vo vrashchayushchikhsia tsementnoobzhigatel'nykh pechakh;  
SN 64-59, Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.  
materialam, 1960. 68 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.  
(Kilns, Rotary) (Refractory materials)

ZOTOV, A.V., inzh.

Using asbestos cement products in building in the Federal German  
Republic. Stroi. mat. 5 no.4:37-39 Ap '59. (MIRA 12:6)  
(Germany, West—Asbestos cement)

PISARIK, L.S., kand. tekhn. nauk; SHAFRANSKIY, V.I.; ZOTOV, A.V.

Calculating periodic-action a.c. drive operating jointly  
with the hydromechanical transmission. Avt. prom. 30  
no. 9:24-27 S '64. (MIRA 17:10)

1. Belorusskiy politekhnicheskiy institut i Belorusskiy  
avtomobil'nyy zavod.

MELESHKIN, S.M., gornyy inzhener; BERLYAND, S.S., gornyy inzhener;  
SIROTKIN, Z.L., inzh.; DENISOV, A.G., inzh.; TERNOVSKIY, G.I., inzh.;  
BEKHTEREV, Yu.I., inzh.; ZOTOV, A.V., inzh.; IVANOV, E.I., inzh.;  
VASIL'YEV, Ye.A., inzh.; SOLOV'YEVA, L.G., inzh.; D'YACHENKO, V.F.,  
inzh.

Replies to V.V. Shan'ko's article "Efficient limits of using  
truck haulage in open pits." Gor. zhur. no.1:75-77 Ja '62.  
(MIRA 15:7)

1. Gosudarstvennyy nauchno-ekonomicheskiy sovet Soveta Ministrov  
SSSR (for Meleshkin). 2. Promtransproekt Gosstroja SSSR (for  
Berlyand). 3. Belorusskiy avtozavod (for Sirotkin, Denisov,  
Ternovskiy, Bekhterev, Zотов, Ivanov). 4. Gosudarstvennyy  
institut po proyektirovaniyu razrabotki rudnykh mestorozhdeniy  
v yuzhnykh rayonov SSSR, Khar'kov (for Vasil'yev, Solov'yeva,  
D'yachenko).

(Mine haulage)  
(Shan'ko, V.V.)

ZOTOV, A.V., red.; KHAVIN, B.E., red.izd-va; BOBOVNEV, N.K., tekhn.red.

[Instruction SN 19-58 on the drying and initial heating of  
chimneys and flues] Instruktsiya po sushke i razogrevu dymovykh trub  
i borovov (SN 19-58). Moskva, Gos.izd-vo lit-ny po stroit., arkhit.  
i stroit.materialam, 1958. 19 p. (MIRA 12:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.  
(Chimneys) (Flues)

ZOTOV, A.V., red.; STRASHNYKH, V.P., red.izd-va; KASIMOV, D.Na., tekhn.  
red.

[Instructions SN 156-61 for producing and using fireproof  
concretes] Instruktsiya po tekhnologii prigotovleniya i pri-  
meneniiu zharostoikikh betonov SN 156-61. Utverzhdena Gosudarst-  
vennym komitetom Soveta Ministrov SSSR po delam stroitel'stva 14  
fevralia 1961. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i  
stroit. materialam, 1961. 72 p. (MIRA 14:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.

(Concrete construction)

SIROTKIN, Z.L., ZOTOV, A.V.

Heavy-duty trucks for the mining industry. Gor. Shur. No. 1155-  
'61 Ja '63. (MIRA 16:1)

1. Glavnnyy konstruktor Belorusskogo avtozavoda (for Sirotkin).
2. Zamestitel' glavnogo konstruktora Belorusskogo avtozavoda  
(for Zотов).

(Mine haulage)

ZOTOV, A.V., inzh., red.; PETROVA, V.V., red. izd-va; KASIMOV,  
D.Ye., tekhn. red.; YASHUKOVA, N.V., tekhn. red.

[Technical directions SN 204-62 for assembling tube  
furnaces] Tekhnicheskie ukazaniia na montazh trubchatykh  
pechei (SN 204-62). Izd.ofitsial'nce. Moskva, Gosstroizdat,  
(MIRA 16:6)  
1962. 25 p.

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.  
(Furnaces)

ZELENOV, K.K.; ZOTOV, A.V.; MAKSAREVA, T.S.; FOKEEV, V.M.

Characteristics of the neutralization of acid solutions using  
sea water. Izv. vys. ucheb. zav. geol. i ravn. 8 no. 9:120-  
123 S '65. (MERA 1819).

1. Moskovskiy geologorezdechniy institut imeni S. Ordzhonikidze.

ZOTOV, B., dotsent

Securing traffic safety in rural districts. Avt. transp. 41  
no. 5:46 My '63. (MIRA 16:10)

(Traffic safety)

MERVART, Iozef [Mervart, Josef]; ZOTOV, B.D. [translator]; SEMENOV,  
I.I. [translator]; ROGINSKIY, G.S., prof., red.; BORODIN,  
Yu.V., red.; GOLICHENKOVA, A.A., tekhn. red.; REZUKHOVA, A.G.,  
tekhn. red.

[Price determination in international commerce] TSenooobrazova-  
nie v mezhdunarodnoi torgovle. Pod red. i so vstup. stat'ei  
G.S.Roginskogo. Moskva, Izd-vo inostr. lit-ry, 1962. 350 p.

(MIRA 15:12)

(Prices) (Commerce)

"APPROVED FOR RELEASE: Thursday, September 26, 2002  
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

ZOTOV, B.D.

Analytic design of hypoid gears with circular teeth. Baush,  
tekh.inform.biul. LPI no.11:32-39 '58. (MIRA 12:11)  
(Gearing)

ZOTOV, B.D., kand.tekhn.mash, dotsent

Axes of toothling in a spiroid gear transmission. Itv. vys.  
ucheb. zav.; nauch.instit. v. 1956, N 147)

1. Tzovskiy mehanich. inzstitut.  
(Gorring, Werk)

ZOTOV, B.D., kand. tekhn. nauk, dotsent

Determining contact lines in spiroid gear transmissions.

Izv. vys. ucheb. zav.; mashinostr. no.6:5-11 '65.

(MIRA 18:8)

ZOTOV, B.D., kand.tekhn.nauk, dotsent

Curvature of side surfaces of generated circular hypoid gear  
teeth. Izv.vys.ucheb.zav.; mashinostr. no.9:137.142 '61.  
(MIRA 14:12)

1. Izhevskiy mekhanicheskiy institut.  
(Gear cutting)

ZOTOV, Boris Dmitriyevich

[Foreign trade of the people's democracies in the service  
of the building of socialism] Vneshniaia torgovlia stran  
narodnoi demokratii na sluzhbe stroitel'stva sotsializma.  
Moskva, Izd-vo Akad. nauk SSSR, 1958. 193 p.

(MIRA 16:5)

(Communist countries--Commerce)

ZOTOV, Boris Dmitriyevich; LYUBIMOV, N.N., otvetsstvennyy red.; GEORGIYEV,  
Ye.S., red.izd-va

[Foreign trade of the European people's democracies as it serves  
the construction of socialism] Vneshniaia torgovlia evropeiskikh  
stran narodnoi demokratii na sluzhbe stroitel'stva sotsializma,  
Moskva, Izd-vo Akad.nauk SSSR, 1958. 193 p. (MIRA 11:3)  
(Commerce)

ZOTOV, B. D.  
Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin.

ZOTOV, B. D. - "The geometry of contact of 'poluobkatnyye' gear wheels in connection with the technology of cutting them." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin. Leningrad, 1956.  
(Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis', No. 13, 1956

ZOTOV, B.D., kand.tekhn.nauk

Curvature of side surfaces of circular teeth of hipoid gears machined  
by the semiburnishing method. Izv.vys.ucheb.zav.; mashinostr. no.7:  
30-36 '60. (MIRA 13:11)

1. Izhevskiy mekhanicheskiy institut.  
(Gearing)

KHACHATUROV, T.S., red.; DAN'SHINA, V.N.[translator]; ZOTOV, B.D.  
[translator]; ISUPOV, V.T.[translator]; MENIKER, V.D.[translator];  
TEREKHOV, V.F.[translator]; SHAGALOV, G.L.[translator]; KORMNOV,  
Yu.F., nauchnyy red.; ZAYTSEV, N.F., red.; KHOMYAKOV, A.D., tekhn.  
red.

[Problems in the economic efficiency of capital investments] Vopro-  
sy ekonomicheskoi effektivnosti kapitalovlozhenii; sbornik statei.  
Pod red. i so vstup. stat'ei T.S.Khachaturova. Moskva, Izd-vo  
inostr. lit-ry, 1962. 276 p. (MIRA 15:12)

1. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov).  
(Capital investments)

ZOTOV, B.D.; GOLUBKOV, N.S.

Spiroid worm gear transmissions. Mashinostroitel'  
no.9:35 S '62. (MIRA 15:9)  
(Bearing, Worm)

11 AND 12 DECEMBER

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Volumetric photogalvanic effect in solutions of electrolytes. I. Photogalvanic effect of oxalates. B. Yu Dain and A. M. Zotkina. *Ber. Pissunensky Inst. fizich. chem., Akad. Nauk. Ukr. S. S. R.* 12, K3-97 (1940). A photogalvanic effect was observed on smooth Pt and Pt-black electrodes in a soln. of  $K_2C_2O_4$ . It is shown that the effect is due to the photochem. process taking place in the vol. of the electrolyte and is dependent of the wave length. The effect is explained on the basis of the temporary disturbance of the ionic equil. in the soln.  
B. Z. Kamich

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION									
EXAM DIVISION	SECOND WAY ONLY ONE	SECTION	ECONOMIC						
			1	2	3	4	5	6	7
140080-44									
14	15	16	17	18	19	20	21	22	23

"APPROVED FOR RELEASE: Thursday, September 26, 2002      CIA-RDP86-00513R002065510002-0  
APPROVED FOR RELEASE: Thursday, September 26, 2002      CIA-RDP86-00513R002065510002-0"

ZOTKIN, S. F. Cand Tech Sci --- (diss) "Investigation of the  
printing devices of offset machines," Moscow, 1960, 23 pp, 150 cop.  
(Moscow Polygraphic Institute) (KL, 44-60, 130)

The catalysis of mixtures of carbon and hydrogen on a maintained synethic platinum surface. III. Effect of the cleaning of the platinum and its preliminary treatment with one of the components of the reaction on the velocity of the reaction. E. I. Sait's, A. M. Zutikhin and M. G. Leperson. *For. fach. physik. Chem. Akad. Wiss. Ukr. S. R. S. S. R. i. m. Akad. Nauk SSSR*, 35; *In German*, 361; cf. C. A. 42, 12077; 43, 48297. A Pt catalyst cleaned with a  $\text{H}_2\text{SO}_4$  soln. of  $\text{Na}_2\text{Cr}_2\text{O}_7$  is most active in the catalyzed  $\text{O}_2 + \text{H}_2$ , although its active centers are known to be connected with  $\text{O}_2$ . A catalyst purified with an intermittent heat treatment in an ac. flame and immersion in concentrated  $\text{HCl}$  has a considerably higher activity, although it is poisoned with greater ease. The deviations noted in the data by the authors and those by K. A. Hoffmann, et al. (cf. C. A. 41, 738; 46, 2441; 49, 1640) are due to differences in the methods of cleaning and the washing off of the catalyst between the charging with  $\text{O}_2$  and with the given gas mixt. The investigation covers the poisoning of the catalyst with pure water and the restoration of its activity. The activity can be restored successfully by heating the catalyst for a short time with a gas mixt. at about 30°. A. A. Boetlingk.

L 09208-67 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) GG/JD/JG  
ACC NR: AP7002765 SOURCE CODE: UR/002C/66/169/001/0092/0093

AUTHOR: Popova, A. A.; Zotkina, V. B.  
ORG: Institute of Crystallography, AN SSSR (Institut kristallografii AN SSSR)  
TITLE: Production of single crystals of oxides of the rare earth elements by the  
Verneuil method

SOURCE: AN SSSR. Doklady, v. 169, no. 1, 1966, 92-93

TOPIC TAGS: rare earth metal, inorganic oxide, crystal growth  
ABSTRACT: The possibility of applying the Verneuil method to the production of  
oxides containing lanthanides with atomic numbers from 62 to 71 was explored,  
and the permissible limits of fluctuation of the gas systems of crystallization  
of various compositions were established. All the rare earth oxides tested,  
with the exception of that of terbium, acquired a trivalent state independent  
of the oxidation-reduction potential of the medium in the crystallization space  
during growth of crystals by the Verneuil method. The crystals of sesquioxides  
of the tested series of lanthanides, produced by the Verneuil method, belong to  
two classes of structural modifications:  $Sm_2O_3$  and  $Gd_2O_3$  are monoclinic, whereas  
 $Dy_2O_3$ ,  $Ho_2O_3$ ,  $Er_2O_3$ ,  $Tm_2O_3$ ,  $Yb_2O_3$ , and  $Lu_2O_3$  are cubic. The micro-  
hardnesses of the investigated crystals increased with increasing atomic number.  
An exception was  $Dy_2O_3$ , the comparatively high hardness of which is attributed  
by the authors to the presence of impurities of nonlanthanide elements. This  
paper was presented by Academician A. V. Shubnikov on 25 October 1965. The  
authors thank O. K. Mel'nikov for the discussions of the results of the x-ray  
analysis of the samples. Orig. art. has: 1 table. [JPRS: 38,139]

SUB CODE: 20, 07 / SUBM DATE: 25Oct65 / ORIG REF: 004 / OTH REF: 004

Card 1/1

UDC: 548.55

0925 1643

ZOTKINA, Z.A.

Modification of ventricular polychlorvinyl drainage. Vop. neirokhir  
24 no. 2:35-36 Mr-Apr '60. (MIRA 14:1)  
(BRAIN—BLOOD VESSELS)

Z C T K  
"APPROVED FOR RELEASE: Thursday, September 26, 2002  
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

CHIBUKIVAGEN, N.B., professor; ZONSTHA, Z.A.

Report on the activities of the Kharkov Neurosurgical Society in  
1956. Vop.neirokhir. 21 no.4:57-58 Je-Ag '57. (MIRA 10:10)  
(KHARKOV--SURGICAL SOCIETIES)

CHIBUKMAKER, N.B., professor; ZOTKINA, Z.A.

Sessions of the Kharkov Neurosurgical Society. Vop. neirokhir. 20  
no. 4:48-52 J1-Ag '56. (MIRA 9:11)  
(NERVOUS SYSTEM--SURGERY)

ZOTO, Akile, dr.

Organization of the campaign for voluntary blood donors. Shendet.  
pop. 1:4-7 '64.

1. Kryetar i deges mjekimit ne M. Shendetesise.

"APPROVED FOR RELEASE: Thursday, September 26, 2002  
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

ZOTO, Akile, dr.; LITO, Spiro, dr.

Blood transfusion. Shendet. pop. 23 no.5:21-28 '62.  
(BLOOD TRANSFUSION)

2841. Dependence of the binding force of covariant  
light-cavity effects on particle size. V. I. Vlasov  
AND YA. N. KHUR. Dokl. Akad. Nauk. SSSR,  
(No. 4708-50) 1970, p. 939-941.

*mp-n-p*

For  $Mg^{2+}$  a proton enters the binding force per

ZOTON, T.

APP

1841. Dependence of the *surface area* of powdered highly energetic alloys on particle size. T. D. HORROCKS AND V. A. G. SHUR. *Dokl. Akad. Nauk, USSR*, 74 (No. 4) 687-700 (1959) *In Russian*.

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361  
830.24  
2841. Dependence of the general form of powdered  
highly explosive nitro on particle size. L. D. KOTIN  
AND V. A. SOKOLOV. Dokl. Akad. Nauk SSSR, 1960, 140  
(No. 4) 847-851 (1960) In Russian.

APPROVED FOR RELEASE: Thursday, September 06, 2001  
REF ID: A6510002

APPROVED FOR RELEASE: Thursday, September 26, 2001  
CIA-RDPNSC-01-20002-001

## DOCUMENTS AND PROPERTIES INDEX

A53  
b6

53824  
2041. Dependence of the coercive force of powdered  
magnetically coercive alloys on particle size. T. D. Zaitsev  
and Ya. S. Sushko. *Dokl. Akad. Nauk. SSSR*, 74  
(No. 4) 687-90 (1950) *In Russian*.

## ASA-10A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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GUBAREV, G.; ZOTOT'KO, S. prepodavatel'; NAYDENOV, V.; ZHAROV, P.; BARYSHNIKOV, V.

Continuing the discussion of problems of labor organization under  
conditions of new technology. Sots. trud 5 no.5:66-74 My '60.  
(MIRA 13:11)

1. Nachal'nik otdela truda i zarplaty Rostovskogo sovnarkhoza (for  
Gubarev). 2. Vysshaya partiymaya shkola, Khar'kov (for Zolot'ko).  
3. Nachal'nik tsekhovogo byuro truda i zarabotnoy platy Khar'kovskogo  
traktornogo zavoda (for Naydenov). 4. Nauchno-issledovatel'skiy  
institut truda, Moskva (Zharov). 5. Nachal'nik otdela truda i  
zarplaty Yuzhno-Kazakhstanskogo sovnarkhoza (for Baryshnikov).

(Labor and laboring classes)  
(Automation) (Technological innovations)

ZOTOV, A.; YAKUBOV, B.; SMIRNOV, N.; CHABROV, G.; KOCHEROV, V.,  
red.; BAKHTIYAROV, A., tekhn. red.

[Cities of the Fergana Valley; concise reference book]  
Goroda Ferganskoi doliny; kratkii spravochnik. Perer.  
2 izd. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1963. 157 p.  
(MIR 16:11)

(Fergana--Cities and towns)

ZOTOV, A., inzh.; KHARIN, V., inzh.

OMP-1 device for detecting metal objects. Radio no. 9:45-46  
S '65.  
(MIRA 19:1)

"APPROVED FOR RELEASE: Thursday, September 26, 2002  
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

ZOTOV, A.A.

Device for locating underground gas pipelines. Gaz. prom. 7  
no. 9134-36 '62.  
(MIRA 17:8)

*ZOTOV*  
USSR/Morphology of Man and Animals - (Normal and Pathologic).  
Respiratory System.

S-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12353  
Author : Zotov, A.A.  
Inst : -  
Title : On the Presence of Particles of Diatom Alga in Human  
Lungs (a Preliminary Communication)  
Orig Pub : V sb. sudebno - med. ekspertizy. Vyp. 2. M., Gosyurizdat,  
1955, 238-240  
  
Abstract : Frustules of diatoms were found in the lungs of 7 out of  
8 cadavers whose death was not caused by drowning..

Card 1/1

Effect of various tillage methods on the physical properties of  
soils in dry valley pastures. Pochvovedenie no.2:91-95 F '63.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov.  
(Moscow Province—Pastures and meadows)  
(Tillage) (MIRA 16:3)

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CIA-RDP86-00513R002065510002-0  
CIA-RDP86-00513R002065510002-0"

ZOTOV, A. F.

"Investigation of the Antibacterial Properties of Fish From  
the Middle Current of the Dnepr River." *Canal Biol Sci*, Kiev  
State U, Kiev, 1953. (RZhBiol, No 1, Sep 54)

SO: Sun 432, 29 Mar 55

ZOTOV, A.F.

Studying antibacterial properties of fish extracts. Vop. ikht.  
no.11:188-191 '58. (MIRA 12:1)

I.Kafedra zoologii bespozvonochenykh Moskovskogo gosudarstvennogo  
universiteta imeni M.V. Lomonosova.  
(Fishes) (Extracts) (Antiseptics)

ZOTOV, A.F.

Antibacterial properties of organs and tissues in fresh-water  
fishes. Vop. ikht. no.10:157-161 '58. (MIRA 11:10)

1. Moskovskiy gosudarstvennyy universitet, kafedra zoologii bez-  
pozvonechnykh.  
(Fishes) (Antibiotics)

LOKSHIN, Ye.L.; ZOTOV, A.G.; CHRMEN, V.P.; SHIPILOV, N.G.

Ways to improve the industrial and economic indices in the preparation of underground gas producers by boring. Podzem. gaz.ugl. no.3:67-71 '59. (MIRA 12:12)

1. Angreneskaya stantsiya "Podzemgaz."  
(Coal gasification, Underground)  
(Boring)

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70602

Author : Zotov, A. I.  
Inst : Leningrad State Pedl Institute  
Title : Studies of After-Images in Color Anomalies

Orig Pub : Uch. zap. Leningradsk. gos. ped. in-t, 1956, Vol 23, 85-100

Abstract : Studies were made of two protoanomalies and two deutero-anomalies by the following method: following dark adaptation, the experimental subjects, for a period of 10-60 sec, were permitted to adapt to light. Then they looked at a white screen and observed the changes of color in the after-images. The experiments were run in several variations. The sensitivity of proto- and deuteroanomalies to contrast colors was opposite to their sensitivity to real colors; the production of after-images from green light in protoanomalies temporarily increased

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S/137/62/000/004/185/201  
A154/A101

1.2300

AUTHORS:

Zotov, A.I., Akinfiyev, M.I.

TITLE:

Soldering ferrites by ultrasonic means

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 75, abstract  
E421 ( St."Primeneniye ul'trazvuka v tekhnol.mashinostr." no. 2,  
M., 1960, 179 - 180)

TEXT: It has been established that ferrites can be soldered right in a molten solder irradiated with ultrasound the intensity of which is sufficient for producing a cavitation process. A supersonic bath has been made for this purpose, fixed on transformer speeds, provided with electric heating means for melting the solder, and a magnetostriction converter. To prevent cracking of parts, the latter are heated and dipped into the molten solder bath; only those sections to be worked are dipped. After this they are soldered prior to the solidification of the solder applied. Subsequent soldering with a soldering iron is permissible. Ferrites soldered together by ultrasonic means, subjected to rupture test, showed that the average rupture force for Mg-Mn ferrite was 1 kg/mm<sup>2</sup>, that for NiZn

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Soldering ferrites.....

S/137/62/000/004/185/201  
A154/A101

ferrite was  $0.8 \text{ kg/mm}^2$ , and rupture occurred mainly in the basic material, not within a soldered joint. Mechanical strength of such joints was likewise found to be satisfactory.

V. Tarisova

[Abstracter's note: Complete translation]

Card 2/2

ZOTOV, A.I., prepodavatel'; MKRTCHYAN, Sh.A.

Chlorophos in controlling warble flies in cattle. Veterinariia  
37 no.6:74 Je '60. (MIRA 16:7)

1. Omakiy sel'skokhozyaystvennyy tekhnikum (for Zotov),
2. Nachal'nik upravleniya sel'skogo khozyaystva Gornob-  
Altayskoy avtonomnoy oblasti (for Mkrtchyan).  
(Warble flies) (Chlorophos)

ZOTOV, A.I.

Interaction of sensations in binocular contrast. Vop.psichol. 7  
no.2:87-96 Mr-Ap '61. (MIRA 14:6)

1. Leningradskoy gosudarstvennyy pedagogicheskiy institut imeni  
A.I.Gertsena.  
(Vision) (Senses and sensation)

ZOTOV, A.I.

R-12

USSR/Human and Animal Physiology - Nervous System.

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71176

Author : Zotov, A.I.  
Title : The Interaction of Color Sensations in the Dynamics of  
Extinguishing the Subsequent Image.

Orig Pub : Uch. zap. Leningr. gos. ped. in-ta, 1956, 23, 5-33

Abstract : The shadow of the object on a colored background was perceived as a strip of contrasting color (inductive inhibition of the cortex). In the resulting image (RI) the colors of the object and background changed places. The interaction of the nerve processes determined the stability of the mutually contrasting colors in the immediate perception, in the RI, and in the course of extinguishing of RI, the perception of grey by putting the RI of the colored object on the background of the same color, the perception of a grey object in the beginning of adaptation in the form of a contrastingly colored one, and then- in the

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USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71176

form of grey and finally with shades of the background color with unchanged color of RI. Complex phenomena of the simultaneous and following contrast are conditioned by the mutual induction of the cortical processes, but cannot be explained by the peripheral theory.

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ZOTOV, A.I.

R-12

USSR/Human and Animal Physiology - Nervous System.

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71178

Author : Zotov, A.I.  
Title : Images Following Achromatic Colors.

Orig Pub : Uch. zap. Leningr. gos. ped. in-ta, 1956, 23, 61-83

Abstract : The change in the relation in the brightness of achromatic objects and background produced a change in the color of the subsequent images (SI). The dynamics of interaction of perception in the course of extinguishing of SI did not differ from the dynamics of SI produced by the adaptation to two chromatic colors. By reducing the differences in the brightness of the object and background, the color of SI did not change, or one color changed independently of the other. The described phenomena were observed in the action of stimuli on different parts of the retina. The adaptation of one eye to two achromatic colors produced interaction of the colors in the binocular

Card 1/2

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USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71178

contrast, coinciding with the colors following the  
contrast at the action of the same achromatic stimuli.  
The obtained findings confirm the cortical nature of  
SI from achromatic colors.

Card 2/2

- 120 -

ZOTOV, A. I.

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71179

Author : Zotov, A.I.  
Title : Individual Differences in Interaction fo Visual Perception in the Dynamics of Subsequent Images.

Orig Pub : Uch. zap Leningr. gos. ped. in-ta, 1956, 23, 101-116

Abstract : The speed of appearance of the subsequent image (SI) reflects the motility, in duration and phase of SI the strength and balance of the basic nerve processes in the visual analyser. In the training process, the speed of the emergence of SI increases, the number of colors and shades which can be distinguished in the extinguishing of SI increases. The peculiarities of the interactions in perception in the course of SI are considered as manifestation of individual differences in the action of the visual analyser and the interaction of the signaling systems.

Card 1/1

- 121 -

BUTONOV, V.A., inzh.; ZOTOV, A.I., inzh.

Adjusting truck-mounted cranes and trucks for use on railroad  
tracks. Nov. tekhn. i pered. op. v stroi. 20 no. 8:28-30 Ag '58.  
(MIRA 11:7)

(Cranes, derricks, etc.)  
(Motortrucks)

ZOTOV, A.I., inzhener.

Universal railroad crane motorcar. Elek.sta. 27 no.9:49-50 S '56.  
(MLRA 9:11)

(Motor trucks)  
(Cranes, derricks, etc.)  
(Railroad motorcars)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0"

**ZOTOV, A.I., kandidat pedagogicheskikh nauk.**

Spatial dynamics of color sensation (on a black background)  
in subjects with abnormal color vision. Trudy Gos. inst. po  
izuch. mozga 15:53-65 '47. (MLRA 7:2)  
(Color blindness)

ALEKSEYEV, M.A.; ASKNAZIY, A.A.; ZOTOV, A.I.; LIPATOVA, N.Ya.

Certain characteristics of the formation of complex conditioned  
motor reactions in man. Zh. vys. nerv. deiat. 5 no.6:773-782 N-18  
'55.

1. Leningradskiy nauchno-issledovatel'skiy institut fizicheskoy  
kul'tury. (MIRA 9:3)

(REFLEX, CONDITIONED,  
conditioned motor complex reactions in man, mechanism  
of form)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0"

ZOTOV, A.I., kandidat pedagogicheskikh nauk.

Spatial dynamics of achromatic vision in color blindness.  
Trudy Gos.inst.po isuch.mosga 15:66-73 '47. (MLRA 7:2)  
(Color blindness)

ZOTOV, A.I.

Improving the fastening of dogs on log jacks. Sbor.vnedir.rats.pred.  
v les. i meb.prom. no.2:7-8 '59. (MIRA 1):8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Lumbering--Machinery)

ZOTOV, A.I.

Thickening the neck of the top feed roller shaft of the RD-75-2 log  
frame. Sbor.vnedr.rats.pred. v les. i meb.prom. no.2:11 '59.

(MIRA 13:8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Saws)

ZOTOV, A.I.

Improved design for electric screwdrivers. Sbor.vnedr.rats.pred. v  
les. i meb.prom. no.2:77-79 '59. (MIRA 13:8)

1. Leningradskiy lesopil'no-deravoobrabatyvayushchiy kombinat.  
(Screwdrivers)

ZOTOV, A.I.

Suggestions for greater efficiency in inserting wood screws on the assembly line. Sbor.vnedr.rats.pred. v les. i meb.prom. no.2:81-82 '59.  
(MIRA 13:8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Screwdrivers)

Fork for picking up nails while nailing boxes. Sbor.vnedr.rats.pred.  
v les. i meb.prom. no.2:82 '59. (MIREA 13:8)

1. Leningradskiy lesopil'no-derevoobrabatyvayushchiy kombinat.  
(Woodwork--Tools and implements)

1/1800  
18.12.10

36531  
S/081/62/000/006/057/117  
B149/B108

AUTHORS: Akinfiyev, M. I., Zotov, A. I., Pavlov, A. A.

TITLE: Electroplating of aluminum and its alloys under the action of ultrasound

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 407 - 408,  
abstract 6K182 (Sb. "Primeneniye ultrazvuka v tekhnol.  
mashinostr.". no. 2, M., 1960, 149 - 154)

TEXT: The influence of ultrasound (us.) on zinc and copper plating of aluminum and its alloys in cyanide electrolytes has been investigated in terms of the effect on the quality of and cohesion between the coating and the base, the  $BT_k$ , the rate of Cu deposition, the dispersibility of the electrolytes and the surface pretreatment. The quality of the coating is better when us. is used; the coated parts were tested successfully for temperature (up to  $180^{\circ}\text{C}$ ) and climatic (90 days at a relative humidity of 98 %) stability. When us. is used the processes can be intensified owing to the increase of  $D_k$  to  $12\text{a}/\text{dm}^2$  for zinc plating and  $10\text{a}/\text{dm}^2$  for copper

Card 1/2

Electroplating of aluminum and ...

S/081/62/000/006/057/117  
B149/B108

plating. The use of us. for aluminum coating does away with a number of preparatory operations. Surface preparation except degreasing, is a-  
chieved in the zinc plating electrolyte. [Abstracter's note: Complete  
translation.]

Card 2/2

X

S/194/62/000/005/087/157  
D222/D309

AUTHORS: Zotov, A.I., Akinfiyev, M.I., and Pavlov, A.A.

TITLE: The use of ultrasound in the technology of ferrite production

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-5-44 a (V sb. Primeneniye ul'trazvuka v tekhnol. mashinostr. no. 2, M., 1960, 134 - 138)

TEXT: The use of ultrasound for the pulverization and mixing of ferrite mixtures and for the mechanical processing of ferrites is described; in this work an Y3F-10 (UZG-10) generator and DMC-6 (PMS-6) transducer were used. Data are given on the optimal operating conditions and on the composition of the liquids used in the pulverization of ferrite mixtures. Ultrasound and other methods of pulverization are compared in a table. With respect to the mechanical processing of the ferrites, it is shown that a high accuracy can be achieved in the processing of openings and grooves of complex configuration and that the process of ultrasound processing is

Card 1/2

The use of ultrasound in the ...

S/194/62/000/005/087/157  
D222/D309

technologically suitable and saves time. Different compositions of emulsions, the influence of ultrasound technology on the properties of ferrites and so on, are examined. A table shows the dependence of processing time on the granularity of boron carbide. [Abstractor's note: Complete translation].

Card 2/2

S/194/62/000/005/084/157  
D222/D309

AUTHORS: Akinfiyev, M.I., Zotov, A.I., and Favlov, A.A.

TITLE: Galvanic coating of aluminum and its alloys with the interaction of ultrasound

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-5-40 ye (V sk. Primeneniye ul'trazvuka v tekhnol. mashinostr. no. 2, M., 1960, 149 - 154)

TEXT: The influence of ultrasound on the electro-chemical processes is examined and the positive action of cavitation is noted. It is shown that the ultrasonic oscillations facilitate the depolarization of the electrodes and the degassing of the liquid. The investigation of the action of ultrasound on the galvanic coating of aluminum was carried out at 18-23 kc/s frequencies, using a PMS-6 (PMS-6) transducer. The transducers were mounted on a diaphragm of variable thickness, 2 - 10 mm, being the bottom of the bath. During zinc and copper plating of aluminum in cyanogen electrolytes, the current density was reduced to 27 a/dm<sup>2</sup> and a better adherence of

Card 1/2

Galvanic coating of aluminum and its ... S/194/62/000/005/084/157  
D222/D309

the coating to the base metal was obtained. It is noted that at large ultrasound intensities the speed of copper plating is reduced because of the cavitational deterioration of the metal. During silver plating of aluminum, ultrasound is used not only for the galvanic coating of the zinc, copper and silver layers, but also for the preparation of the pieces (cleaning and degreasing) before plating. The technology of silver plating in an ultrasound field is described. [Abstractor's note: Complete translation].

Card 2/2

39622  
S/194/62/000/004/064/105  
D295/D308

9.2571

9.25 // Zotov, A. I. and Akinfyev, M. I.

AUTHORS: Zelený, J.  
TITLE: Ultrasonic soldering of ferrites

TITLE: Ultrasonic soldering of  
PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 4, 1962, abstract 4-5-37y (V sb. Primeneniye ul-  
trazvuka v tekhnol. mashinostr. no. 2, M., 1960,  
179-180)

179-180)

TEXT: The possibility of soldering ferrites without preliminary silver-covering of the surface is investigated. It was found that such tinning is possible in a molten solder irradiated by ultrasonics with a radiation intensity sufficient for generating cavitation in the solder. A tinning apparatus was devised, consisting of a magnetostriction radiator with a concentrator, at whose end is placed a bath with electrical heating for melting the solder. After tinning the parts, soldering by means of a soldering iron is possible. The great strength of the soldering was observed; in tests, the samples broke across the basic material. The soldering

Card 1/2

Ultrasonic soldering of ...

S/194/62/000/004/064/105  
D295/D308

of metal parts to ferrites is possible, the mechanical strength proving fully satisfactory. Soldering was carried out with the P-200 (P-200) solder. Abstracter's note: Complete translation. 7

X

Card 2/2

S/123/62/000/015/009/013  
A052/A101AUTHORS: Zotov, A. I., Akinfiyev, M. I., Pavlov, A. A.

TITLE: Application of ultrasound in the technique of ferrite production

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 15, 1962, 23, abstract  
15B144 (In collection: "Primeneniye ul'trazvuka v tekhnol. mashinost".  
Moscow, no. 2, 1960, 134 - 138)TEXT: The possibility was investigated of the application of ultrasound to  
grinding and intermixing metal oxides of which the charge for forming ferrites  
is prepared. The experiments were carried out using a Y3TC (UZGS) ultrasonic  
generator with a magnetostriction converter. The main parameters determining the  
processes of grinding and intermixing charge materials are: oscillation frequency,  
relation between the amount of liquid and the material ground, the thickness of  
the irradiated ground layer, the intensity of ultrasonic and audio oscillations,  
cavitation capacity of the liquid and the irradiation time. It is established  
that the dispersion of the powder ultrasonically ground during 10 min is higher  
than that of the powder ground in ball mills during 24 hours or in a vibration  
than that of the powder ground in ball mills during 24 hours or in a vibration

Card 1/2

Application of ultrasound in...

S/123/62/000/015/009/013  
A052/A101

grinder during 16 hours. Ferrite elements manufactured of powders produced after ultrasonic processing have equivalent magnetic properties as compared with the elements produced of powders prepared by conventional processing. It is reported on a successful application of ultrasound to machining ferrites. Grooves and holes in ferrite elements are produced on ultrasonic installations.

E. Spivak

[Abstracter's note: Complete translation]

Card 2/2

DANILOVICH, B.A.; ZOTOV, A.N.

Organization of the fluorographic examination of workers and  
employees of small industrial plants. Gig. i san. 26 no. 4:57-60  
Ap '61.  
(MIRA 15:5)

1. Iz sanitarno-epidemiologicheskoy stantsii Stalinskogo rayona Moskvy.  
(INDUSTRIAL HYGIENE) (DIAGNOSIS, FLUOROSCOPIC)

ZOTOV, A.N. & PROKOP'YEV, P.N., starshiy inzh.

Following the example of the brigade of communist labor. Tekst.  
prom. 21 no.12:70-72 D '61.  
(MIRA 15:2)

1. Nachal'nik byuro tekhnicheskoy informatsii Chuvashskogo  
sovnarkhoza (for Zотов). 2. Byuro tekhnicheskoy informatsii  
Chuvashskogo sovnarkhoza (for Prokop'yev).  
(Chuvashia--Textile industry--Labor productivity)

176

SOV/177-58-9-2/51

AUTHORS: Zotov, A.P., Colonel of the Medical Corps, Shumova, S.V., Lieutenant-Colonel of the Medical Corps

TITLE: Analysis of Traumatism and Prophylactic Measures (According to Material of a Hospital)

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 9, pp 7-10 (USSR)

ABSTRACT: The author tabulates and reports on traumatic cases of soldiers. The article is based on data of a garrison hospital and a treatise by N.D. Krivonosov, published in 1952. Most of the injuries occurred during off-duty hours. The author distinguishes injuries connected with economic work, casual injuries sustained during duty hours and mainly sports injuries. Injuries to the lower extremities predominate over others. The implementation of prophylactic measures reduced the injuries in garrisons "by half". There are 4 tables.

Card 1/1

GULAMOV, R.G.; ZAYKO, G.I.; ZOTOV, A.N.; ISADZHANOVA, Kh.E.; SOKOLOV,  
Yu.A.; SHKLOVER, A.Ya.; TSUKERMAN, M.P.; USTIMENKO, I.L., red.;  
BAKHRIYAROV, A., tekhn.red.

[Tashkent; concise reference book] Tashkent; kratkii spravochnik.  
Izd.2., dop. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1958. 190 p.  
(MIRA 13:3)  
(Tashkent—Guidebooks)

25899. ZOTOV, A. P. Primenenie RSK dlya tipirovaniya shtamnov  
virusa i serodiagnostiki infektsionnogo entsefalomyelita loshadey.  
Avtoreferat. Veterinariya, 1949, No. 8, S. 57.

So. Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

All-Union Inst. Experimental Vet. Med.

ZOTOV, A.P. (Sen. Sci. Assoc., VIEV)

A.A. Markov, Prof, Merited worker of Sci, A.P. ZOTOV (Sen. Sci. Assoc) and  
M.A. Il'Yashenko, V.G. Petrov (Junior Sci. Associates (VIEV)

"Mosquitoes of the Species Culex as the Carriers of the Virus of Infectious  
Equine Encephalomyelitis,"

SO: Trud VIEV, Vol-19, No-2, pp-97-102, 19 Vol 18, 1951.

ZCTOV, A

USSR/Medicine (vet) - Infectious Diseases Jun 51  
"Equine Infectious Encephalomyelitis (IEML)", A. P. Zolotov, Cand. Vet. Sci.

"Veterinariya" Vol. XXVIII, No. 6, pp 20-29

183T82 The disease in the USSR is caused by 2 serologically distinct viruses, and the presence of Born's virus is also possible. G. M. Bosh'yan describes bacterial form of the IEML virus. IEML is transmitted by Dermacentor, Hyalomma, and Ornithodoros ticks and by Aedes and Culex mosquitoes. A natural reservoir of IEML, similarly to human encephalitis, may be formed by rodents, birds, or reptiles.

IC

183T82

USER/Medicine (vet) - Infectious Diseases Jun 51  
(Contd)

Peaks of incidence correspond to peaks in the number of Brandt's field mice. Lethality is 50-90%. Born's disease occurs in May-Jun, IEML in Aug-Sep. Autohemotherapy and serum therapy under application of various blood sera and immune sera are effective. Best results were obtained with immune serum of swine plague (or blood of IEML convalescents) combined with urotropin and spirits of camphor therapy.

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CIA-RDP86-00513R002065510002-0"

"The Biological Character of the Causative Agent and Data Relating to the  
Epizootiology of Infectious Equine Encephalitis." Dr Vet Sci, All-Union Inst  
of Experimental Veterinary Sci, Ministry of Agriculture USSR, Moscow, 1954.  
(RZhBiol No 8, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

ZOTOV, A.P.; CHUMAKOV, M.P.; MARKOV, A.A.; STEPANOVA, N.I.; PETROV, A.N.

Experimental induction and serological investigations of Q fever.  
Veterinariia 33 no.7:44-53 J1 '56. (MIRA 9:9)  
(Q fever)

Country : USSR  
Category: Virology. Viruses of Man and Animals.  
Rickettsias

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103554

Author : Zotov, A.P.; Chumakov, N.P.; Markov, A.A.; Stepanova,  
N.I.  
Inst : All-Union Institute of Experimental Veterinary Medicine  
Title : Experimental Study of "Q" Fever in Agricultural Animals  
(First Report). Experimental Reproduction of the Disease

Orig Pub: Tr. Vses. in-ta chsperim. veterinarii, 1957, 20, 76-89.

Abstract: Sheep, goats, long-horned cattle, horses and pigs were  
infected by means of the administration of massive  
doses of Rickettsia burneti (intravenously, subcuta-  
neously, intracutaneously, orally, intracardinally)

Card : 1/2

Country : USSR

E

Category: Virology. Viruses of Man and Animals. Rickettsias.

Abs Jour: Ref Zhur-Diel., No 23, 1958, 103555

Author : Zotov, A.P.; Chumakov, M.P.; Markov, A.I.; Soganova, N.I.

Inst : All-Union Institute of Experimental Veterinary Medicine

Title : Experimental Study of "Q" Fever in Agricultural Animals  
(Second Report). Study of the Complement-Fixation  
Reactions in Animals Experimentally Infected with "Q"  
Fever

Org Pub: Tr. Vses. in-ta eksperim. veterinarii., 1957, 20, 99-95

Abstract: After the parenteral administration of massive doses  
of rickettsias, complement-fixing antibodies appeared  
in the serum on the fourth to seventh day in titers  
of 1:10-1:20. The maximum titers (up to 1:320-1:640)

Card : 1/2

Country : USSR

E

Category: Virology. Viruses of Man and Animals  
Rickettsias.

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103556

Author : Markov, A.A.; Chumakov, M.P.; Zotov, A.P.; Stepanova, N.I.

Inst : All-Union Institute of Experimental Veterinary Medicine

Title : Experimental Study of "Q" Fever in Agricultural Animals  
(Third Report). Investigation of the Transmission of the  
"Q"-Fever Organism by the tick, Rhipicephalus bursa

Orig Pub: Tr. Vses. in-ta eksperim. veterinarii, 1957, 20, 96-  
105

Abstract: Ticks in the sexually-immature stage (larvae and nymphs)  
and in the imago stage could be infected with *Rickettsia  
burneti* by means of letting them feed on infected sheep;  
in their turn, all the stages of ticks infected in this  
way were able to infect healthy animals, into which they

Card : 1/2

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0"

ZOTOV, A. P. (Professor), BLINOV, P. N. (Senior Scientific Collaborator, All-Union Institute of Experimental Veterinary Medicine).

"Investigations concerning the etiology of infectious atrophic rhinitis in swine."

Veterinariya, Vol. 38, No. 3, 1961, p. 32.

ZOTOV, A.P., prof.; ELINOV, P.N., starshiy nauchnyy sotrudnik

Studying the etiology of infectious atrophic rhinitis of  
swine. Veterinariia 38 no.3:32-36 Mr '61 (MIRA 18:1)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

ZOTOV, A.P., prof.

African horse sickness of one-hoofed animals. Veterinariia 39  
no.5e65-72 My '62 (MIRA 18:1)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

LIKHACHEV, N.V.; SYURIN, V.N.; TSION, R.A.; SHCHERBATYKH, P.Ya.;  
ZOTOV, A.P.; SKOMOROKHOV, A.L.; PIROG, P.P.; PINUS, A.A.;  
BAZYLEV, P.M.; NAZAROV, V.P.; ORLOV, F.M., dots.;  
USACHEVA, I.G., red.; YARNYKH, A.M., red.; BALLOD, A.I.,  
tekhn. red.; PROKOF'YEVA, L.N., tekhn. red.

[Virus diseases of animals] Virusnye bolezni zhivotnykh.  
Moskva, Sel'khozizdat, 1963. 564 p. (MIRA 17:1)

LIKACHEV, N.V., prof.; AGRINSKIY, N.I., prof.; SYURIN, V.N., prof.;  
SPESIVTSEVA, N.A., prof.; KOLOBOLOTSKIY, G.V., prof.;  
ZOLOTAREV, N.A., prof.; KORYAZHNOV, V.P., prof.; KOLESOV,  
S.G., prof.; BABICH, M.A., prof.; PETROV, A.M., prof.; ZOTOV,  
A.P., prof.; DOROFEEV, K.A., prof.; POLIKOVSKIY, M.D., prof.;  
SOLOMKIN, P.S., prof.; ORLOV, Ya.S., prof.; KOTOV, V.T., prof.;  
TRILENKO, P.A., prof.; LYUBASHENKO, S.Ya., prof.; USACHEVA,  
I.G., red.; YARNYKH, A.M., red.; BALLOD, A.I., tekhn. red.

[Veterinary laboratory practice]. Veterinarnaia laboratornaia  
praktika. Moskva, Sel'khozizdat. Vol. [General microbiological  
methods of investigation] Obshchie mikrobiologicheskie metody is-  
sledovaniia. 1963. 566 p. Vol.2. [Biochemical, chemico-  
toxicological, and veterinary hygienic methods of investigation]  
Biohimicheskie, khimiko-toksikologicheskie i zoogigienicheskie  
metody issledovaniia. 1963. 431 p. (MIRA 16:8)  
(Veterinary laboratories)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0  
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510002-0"

ZOTOV, A. P. (Professor, All-Union Institute of Experimental Veterinary Medicine)

"African plague of the solid-ungulates"

Veterinariya, vol. 39, no. 5, May 1962 p. 65

ZOTOV, A. P.

"Veterinary-Sanitary and Antiepizootic Measures for Q Fever among Agricultural  
Animals"

from Bor'bas Boleznyarni, Obshchimi Dlya Cheloveka i Zhivotnykh (Zoonozy)  
Moscow, 1961.

ZOTOV, A. P.

"Leukoses of Agricultural Animals"

from Bor'bas Boleznyarni, Obshchimi Dlya Cheloveka i Zhivotnykh (Zoonozy)  
Moscow, 1961.

ZOTOV, A.P., prof.

Results of an investigation of Q fever and tularemia in farm animals.  
Trudy VIEV 23:202-214 '59. (MIRA 13:10)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.  
(Q fever) (Tularemia)

ZOTOV, A.S.

Cutting unnecessary expenses. Tekst.prom. 20 no.2:86-87  
F '60. (MIRA 13:6)  
(Textile industry--Costs)

ZOTOV, Aleksey Timofeyevich; CHULKOVA, I.S., red.; SHPAK, Ye.G.,  
tekhn. red.

[Urea] Mochevina. Moskva, Goskhimizdat, 1963. 173 p.  
(MIRA 17:2)

GLOZSHTEYN, Ya.S.; ZOTOV, A.V.; SERGEYEV, B.V.; SHASHKOV, V.F.;  
GORDEYEV, P.A., red.izd-va; SHIROKOVA, G.M., red.izd-va;  
KOMAROVSKAYA, L.A., tekhn. red.

[Construction of furnaces for the building materials industry] Kladka pechei promyshlennosti stroitel'nykh materialov. [By] IA.S.Glozshtein i dr. Moscow, Gosstroizdat, 1963. 299 p. (MIRA 17:2)

ZOTOV, A.V., inzh., red.; OVCHININSKIY, A.F., inzh., red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat. Pt.1. Sec.G., ch.10. [Refractory materials and products] Ogneupornye materialy i izdeliya (SNiP I-G. 10-62). 1963. 48 p. (MIRA 17:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Zотов).
3. Mezhdunarodstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil (for Овчининский).

KAMENETSKIY, S.P.; UTKIN, V.V.; ZOTOV, A.V., nauchnyy red.; VOLNYANSKIY, A.G.,  
glav. red.; SOKOLOV, D.V., zam. lav. red.; TARAN, V.D., red.; SERE-  
BRENNIKOV, S.S., red.; MIKHAYLOV, K.A., red.; STAROVENOV, I.G., red.;  
VOLODIN, V.Ye., red.; NIKOLAYEVSKIY, Ye.Ya., red.; SHIROKOVA, G.M.,  
red. izd-va; NAUMOVA, G.D., tekhn. red.

[Heat insulation work] Teploizoliatsionnye raboty. Moskva, Gos. izd-  
vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 439 p.  
(MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut "Teploproyekt".  
(Insulation (Heat))

ZOTOV, A.V., inzh., red.; STRASHNYKH, V.P., red.izd-va; GARNUKHIN, Ye.K.,  
tekhn.red.

[Technical specifications MRTU 7-3-60 for finely-ground additions  
and aggregates for heat-resistant concretes] Tekhnicheskie  
usloviia na tonkomoletye dobavki i zapolniteli dlia zharostoiikikh  
betonov, MRTU 7-3-60. Moskva, Gos.izd-vo lit-ry po stroit., arkhit.  
i stroit.materiam, 1961. 14 p. (MIRA 14:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.

(Concrete—Specifications)

ZOTOV, A.V., inzh., red.; KHAVIN, B.N., red.izd-va; NAUMOVA, G.D.,  
tekhn.red.

[Regulations SN 64-59 on carrying out lining operations in rotary  
cement-burning kilns] Instruktsiia po proizvodstvu futerovochnykh  
rabit vo vrashchayushchikhsia tsementnoobzhigatel'nykh pechakh;  
SN 64-59, Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.  
materialam, 1960. 68 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.  
(Kilns, Rotary) (Refractory materials)

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